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# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L20 and monitoring | 35 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:** L21

Refine Search

Recall Text | Clear | Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L21 | L20 and monitoring | 35 | L21 |
| L20 | L19 and real adj time | 35 | L20 |
| L19 | L18 and feedback | 35 | L19 |
| L18 | L17 and decision adj support | 42 | L18 |
| L17 | L16 and adaptive and management | 259 | L17 |
| L16 | vehicle and diagnos$4 and knowledge and model$4 | 8909 | L16 |
| L15 | L11 and vehicle | 2 | L15 |
| L14 | L8 and vehicle | 2 | L14 |
| L13 | L5 and vehicle | 1 | L13 |
| L12 | L2 and vehicle | 1 | L12 |
| L11 | diagnos$4 and adaptive adj knowledge and model$2 | 6 | L11 |
| L10 | L3 and diagnos$4 and adaptive adj knowledge and model$2 | 0 | L10 |
| L9 | L1 and diagnos$4 and adaptive adj knowledge and model$2 | 1 | L9 |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |

| | | | |
|---|---|---|---|
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L18 and feedback | 35 |

**Database:** US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

**Search:** L19

Refine Search | Recall Text | Clear | Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| | *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | |
| L19 | L18 and feedback | 35 | L19 |
| L18 | L17 and decision adj support | 42 | L18 |
| L17 | L16 and adaptive and management | 259 | L17 |
| L16 | vehicle and diagnos$4 and knowledge and model$4 | 8909 | L16 |
| L15 | L11 and vehicle | 2 | L15 |
| L14 | L8 and vehicle | 2 | L14 |
| L13 | L5 and vehicle | 1 | L13 |
| L12 | L2 and vehicle | 1 | L12 |
| L11 | diagnos$4 and adaptive adj knowledge and model$2 | 6 | L11 |
| L10 | L3 and diagnos$4 and adaptive adj knowledge and model$2 | 0 | L10 |
| L9 | L1 and diagnos$4 and adaptive adj knowledge and model$2 | 1 | L9 |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |

| | | | |
|---|---|---|---|
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L17 and decision adj support | 42 |

**Database:** US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

**Search:** L18

Refine Search | Recall Text | Clear | Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| | *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | |
| L18 | L17 and decision adj support | 42 | L18 |
| L17 | L16 and adaptive and management | 259 | L17 |
| L16 | vehicle and diagnos$4 and knowledge and model$4 | 8909 | L16 |
| L15 | L11 and vehicle | 2 | L15 |
| L14 | L8 and vehicle | 2 | L14 |
| L13 | L5 and vehicle | 1 | L13 |
| L12 | L2 and vehicle | 1 | L12 |
| L11 | diagnos$4 and adaptive adj knowledge and model$2 | 6 | L11 |
| L10 | L3 and diagnos$4 and adaptive adj knowledge and model$2 | 0 | L10 |
| L9 | L1 and diagnos$4 and adaptive adj knowledge and model$2 | 1 | L9 |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |

| | | | |
|---|---|---|---|
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L11 and vehicle | 2 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:** L15

Refine Search

Recall Text | Clear | Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L15 | L11 and vehicle | 2 | L15 |
| L14 | L8 and vehicle | 2 | L14 |
| L13 | L5 and vehicle | 1 | L13 |
| L12 | L2 and vehicle | 1 | L12 |
| L11 | diagnos$4 and adaptive adj knowledge and model$2 | 6 | L11 |
| L10 | L3 and diagnos$4 and adaptive adj knowledge and model$2 | 0 | L10 |
| L9 | L1 and diagnos$4 and adaptive adj knowledge and model$2 | 1 | L9 |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |

| | | | |
|---|---|---|---|
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| diagnos$4 and adaptive adj knowledge and model$2 | 6 |

**Database:** US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

**Search:** L11

Refine Search

Recall Text | Clear | Interrupt

**Search History**

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L11 | diagnos$4 and adaptive adj knowledge and model$2 | 6 | L11 |
| L10 | L3 and diagnos$4 and adaptive adj knowledge and model$2 | 0 | L10 |
| L9 | L1 and diagnos$4 and adaptive adj knowledge and model$2 | 1 | L9 |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| troubleshooting and adaptive adj knowledge and model$2 | 12 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:** L8

Refine Search

Recall Text

Clear

Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L8 | troubleshooting and adaptive adj knowledge and model$2 | 12 | L8 |
| L7 | L3 and troubleshooting and adaptive adj knowledge and model$2 | 0 | L7 |
| L6 | L3 and troubleshooting and expert and knowledge and model$2 | 2 | L6 |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L1 and troubleshooting and expert adj knowledge and model$2 | 3 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:** L2

Refine Search

Recall Text

Clear

Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6615199 B1

**Using default format because multiple data bases are involved.**

L2: Entry 1 of 3 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
** See image for Certificate of Correction **

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 5806056 A

L2: Entry 2 of 3 File: USPT Sep 8, 1998

US-PAT-NO: 5806056
DOCUMENT-IDENTIFIER: US 5806056 A

TITLE: Expert system and method employing hierarchical knowledge base, and interactive multimedia/hypermedia applications

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hekmatpour; Amir | Burlington | VT | | |

US-CL-CURRENT: 706/50; 706/45, 706/46, 706/61

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 5720007 A

L2: Entry 3 of 3 File: USPT Feb 17, 1998

US-PAT-NO: 5720007
DOCUMENT-IDENTIFIER: US 5720007 A
**** See image for Certificate of Correction ****

TITLE: Expert system and method employing hierarchical knowledge base, and interactive multimedia/hypermedia applications

DATE-ISSUED: February 17, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hekmatpour; Amir | Burlington | VT | | |

US-CL-CURRENT: 706/50; 706/11, 706/46

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L1 and troubleshooting and expert adj knowledge and model$2 | 3 |

**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

# Refine Search

**Search Results -**

| Terms | Documents |
|---|---|
| L1 and troubleshooting and expert and knowledge and model$2 | 9 |

**Database:**
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:** L5

Refine Search

Recall Text | Clear | Interrupt

## Search History

**DATE: Thursday, October 28, 2004** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR* | | | |
| L5 | L1 and troubleshooting and expert and knowledge and model$2 | 9 | L5 |
| L4 | L3 and troubleshooting and expert adj knowledge and model$2 | 0 | L4 |
| L3 | 706/14.ccls. | 227 | L3 |
| L2 | L1 and troubleshooting and expert adj knowledge and model$2 | 3 | L2 |
| L1 | 706/50.ccls. | 242 | L1 |

END OF SEARCH HISTORY

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 6615199 B1

**Using default format because multiple data bases are involved.**

L5: Entry 1 of 9 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
**** See image for Certificate of Correction ****

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 2. Document ID: US 6591258 B1

L5: Entry 2 of 9 File: USPT Jul 8, 2003

US-PAT-NO: 6591258
DOCUMENT-IDENTIFIER: US 6591258 B1
**** See image for Certificate of Correction ****

TITLE: Method of incorporating knowledge into a knowledge base system

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Stier; Sharon | Wrentham | MA | | |
| Haughton; Debra Ann | Attleboro | MA | | |

US-CL-CURRENT: 706/50; 707/101, 707/202, 707/204, 707/4, 711/154

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 3. Document ID: US 6560589 B1

L5: Entry 3 of 9 File: USPT May 6, 2003

US-PAT-NO: 6560589
DOCUMENT-IDENTIFIER: US 6560589 B1
**** See image for Certificate of Correction ****

TITLE: Method and system for use and maintenance of a knowledge base system

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Stier; Sharon | Wrentham | MA | | |
| Haughton; Debra Ann | Attleboro | MA | | |
| Melino; Joseph | Raynham | MA | | |

US-CL-CURRENT: 706/50; 707/200

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 4. Document ID: US 6353817 B1

L5: Entry 4 of 9 File: USPT Mar 5, 2002

US-PAT-NO: 6353817
DOCUMENT-IDENTIFIER: US 6353817 B1

TITLE: Multi-user system for creating and maintaining a medical-decision-making knowledge base

DATE-ISSUED: March 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Jacobs; Charles M | Northboro | MA | 01532 | |
| Karys; Alec P. | Sudbury | MA | 01776 | |
| Bushkoff; Robert L. | Concord | MA | 01742 | |
| Doyle; John J. | Franklin | MA | 02038 | |
| Hoover; Stewart V. | Sudbury | MA | 01776 | |
| Mitus; A. Jacqueline | W. Roxbury | MA | 02132 | |
| Lamprey; Josephine A. | North Hampton | NH | 03862 | |

US-CL-CURRENT: 706/50; 345/841

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 5. Document ID: US 6026393 A

L5: Entry 5 of 9 File: USPT Feb 15, 2000

US-PAT-NO: 6026393
DOCUMENT-IDENTIFIER: US 6026393 A

TITLE: Configuration knowledge as an aid to case retrieval

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Gupta; Kalyan Moy | Brampton | | | CA |
| Langley; Alan Mark | Mississauga | | | CA |

US-CL-CURRENT: 707/3; 706/46, 706/50, 706/54

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 6. Document ID: US 5822743 A

L5: Entry 6 of 9 File: USPT Oct 13, 1998

US-PAT-NO: 5822743
DOCUMENT-IDENTIFIER: US 5822743 A

TITLE: Knowledge-based information retrieval system

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Gupta; Kalyan Moy | Hamilton | | | CA |
| Langley; Alan Mark | Mississauga | | | CA |
| Ching; John Yen | Oakville | | | CA |

US-CL-CURRENT: 706/50; 706/46, 706/54, 706/61

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 7. Document ID: US 5806056 A

L5: Entry 7 of 9 File: USPT Sep 8, 1998

US-PAT-NO: 5806056
DOCUMENT-IDENTIFIER: US 5806056 A

TITLE: Expert system and method employing hierarchical knowledge base, and interactive multimedia/hypermedia applications

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hekmatpour; Amir | Burlington | VT | | |

US-CL-CURRENT: 706/50; 706/45, 706/46, 706/61

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 8. Document ID: US 5720007 A

L5: Entry 8 of 9 File: USPT Feb 17, 1998

US-PAT-NO: 5720007
DOCUMENT-IDENTIFIER: US 5720007 A
**** See image for Certificate of Correction ****

TITLE: Expert system and method employing hierarchical knowledge base, and interactive multimedia/hypermedia applications

DATE-ISSUED: February 17, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hekmatpour; Amir | Burlington | VT | | |

US-CL-CURRENT: 706/50; 706/11, 706/46

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 9. Document ID: US 5619694 A

L5: Entry 9 of 9 File: USPT Apr 8, 1997

US-PAT-NO: 5619694
DOCUMENT-IDENTIFIER: US 5619694 A

TITLE: Case database storage/retrieval system

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Shimazu; Hideo | Tokyo | | | JP |

US-CL-CURRENT: 707/104.1; 706/50, 706/54

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L1 and troubleshooting and expert and knowledge and model$2 | 9 |

**Display Format:** - Change Format

Previous Page  Next Page  Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 12 of 12 returned.

☐ 1. Document ID: US 20030053677 A1

**Using default format because multiple data bases are involved.**

L8: Entry 1 of 12 File: PGPB Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030053677
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030053677 A1

TITLE: System and method for performing basic training

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| DeYong, Mark R. | Round Rock | TX | US | |
| Newberry, Jeff E. | Pflugerville | TX | US | |
| Grace, John W. | Austin | TX | US | |
| Eskridge, Thomas C. | Austin | TX | US | |

US-CL-CURRENT: 382/149

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 2. Document ID: US 20030016858 A1

L8: Entry 2 of 12 File: PGPB Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030016858
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030016858 A1

TITLE: System and method for creating a knowledge base

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| DeYong, Mark R. | Round Rock | TX | US | |
| Newberry, Jeff E. | Pflugerville | TX | US | |
| Grace, John W. | Austin | TX | US | |
| Eskridge, Thomas C. | Austin | TX | US | |

US-CL-CURRENT: 382/149

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 3. Document ID: US 20020184178 A1

L8: Entry 3 of 12 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 4. Document ID: US 20020168098 A1

L8: Entry 4 of 12 File: PGPB Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168098
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168098 A1

TITLE: System and method for dynamic image recognition

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| DeYong, Mark R. | Round Rock | TX | US | |
| Newberry, Jeff E. | Pflugerville | TX | US | |
| Grace, John W. | Austin | TX | US | |
| Eskridge, Thomas C. | Austin | TX | US | |

US-CL-CURRENT: 382/145; 382/225

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 5. Document ID: US 20020159643 A1

L8: Entry 5 of 12 File: PGPB Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020159643
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020159643 A1

TITLE: System and method for dynamic image recognition

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| DeYong, Mark R. | Round Rock | TX | US | |
| Newberry, Jeff E. | Pflugerville | TX | US | |
| Grace, John W. | Austin | TX | US | |
| Eskridge, Thomas C. | Austin | TX | US | |

US-CL-CURRENT: 382/228; 382/170

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 6. Document ID: US 20020007237 A1

L8: Entry 6 of 12 File: PGPB Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007237
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020007237 A1

TITLE: Method and system for the diagnosis of vehicles

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Phung, Tam A. | Sunnyvale | CA | US | |
| Phung, Lan T. | Sunnyvale | CA | US | |

US-CL-CURRENT: 701/33; 701/29, 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 7. Document ID: US 6771819 B2

L8: Entry 7 of 12 File: USPT Aug 3, 2004

US-PAT-NO: 6771819
DOCUMENT-IDENTIFIER: US 6771819 B2

TITLE: System and method for dynamic image recognition

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| DeYong; Mark R. | Round Rock | TX | | |
| Newberry; Jeff E. | Pflugerville | TX | | |
| Grace; John W. | Austin | TX | | |
| Eskridge; Thomas C. | Austin | TX | | |

US-CL-CURRENT: 382/228; 348/126, 382/145, 382/173, 382/225, 382/305, 706/908

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 8. Document ID: US 6687397 B2

L8: Entry 8 of 12 File: USPT Feb 3, 2004

US-PAT-NO: 6687397
DOCUMENT-IDENTIFIER: US 6687397 B2

TITLE: System and method for dynamic image recognition

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| DeYong; Mark R. | Round Rock | TX | | |
| Newberry; Jeff E. | Pflugerville | TX | | |
| Grace; John W. | Austin | TX | | |
| Eskridge; Thomas C. | Austin | TX | | |

US-CL-CURRENT: 382/145; 348/126, 382/149, 382/155, 382/190, 382/305, 716/15, 716/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 9. Document ID: US 6650770 B2

L8: Entry 9 of 12 File: USPT Nov 18, 2003

US-PAT-NO: 6650770
DOCUMENT-IDENTIFIER: US 6650770 B2

TITLE: System and method for creating a knowledge base

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| DeYong; Mark R. | Round Rock | TX | | |
| Newberry; Jeff E. | Pflugerville | TX | | |
| Grace; John W. | Austin | TX | | |
| Eskridge; Thomas C. | Austin | TX | | |

US-CL-CURRENT: 382/149; 382/155, 382/171, 382/190, 382/296, 382/305, 716/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 10. Document ID: US 6633742 B1

L8: Entry 10 of 12 File: USPT Oct 14, 2003

US-PAT-NO: 6633742
DOCUMENT-IDENTIFIER: US 6633742 B1

TITLE: System and method for adaptive knowledge access and presentation

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Turner; David | Kirkland | WA | | |
| Frank; Waldemar | Bellevue | WA | | |

US-CL-CURRENT: 434/350; 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 11. Document ID: US 6614925 B2

L8: Entry 11 of 12 File: USPT Sep 2, 2003

US-PAT-NO: 6614925
DOCUMENT-IDENTIFIER: US 6614925 B2

TITLE: System and method for performing basic training

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| DeYong; Mark R. | Round Rock | TX | | |
| Newberry; Jeff E. | Pflugerville | TX | | |
| Grace; John W. | Austin | TX | | |
| Eskridge; Thomas C. | Austin | TX | | |

US-CL-CURRENT: 382/149; 382/147, 382/155, 382/171, 382/190, 382/225, 382/276,

382/305, 716/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

☐ 12. Document ID: US 6577757 B1

L8: Entry 12 of 12 File: USPT Jun 10, 2003

US-PAT-NO: 6577757
DOCUMENT-IDENTIFIER: US 6577757 B1

TITLE: System and method for dynamic image recognition

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| DeYong; Mark R. | Round Rock | TX | | |
| Newberry; Jeff E. | Pflugerville | TX | | |
| Grace; John W. | Austin | TX | | |
| Eskridge; Thomas C. | Austin | TX | | |

US-CL-CURRENT: 382/149; 348/126, 382/155, 382/190, 382/226, 382/305, 716/15, 716/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| troubleshooting and adaptive adj knowledge and model$2 | 12 |

Display Format: - Change Format

Previous Page Next Page Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20030167246 A1

**Using default format because multiple data bases are involved.**

L11: Entry 1 of 6 File: PGPB Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030167246
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030167246 A1

TITLE: Computer-based intelligence method and apparatus for assessing selected subject-area problems and situations

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Datena, Stephen Jay | Portland | OR | US | |
| Lonchar, Bart Eugene | Portland | OR | US | |

US-CL-CURRENT: 706/46

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

☐ 2. Document ID: US 20030093322 A1

L11: Entry 2 of 6 File: PGPB May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093322
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030093322 A1

TITLE: Automated system and method for managing a process for the shopping and selection of human entities

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Sciuk, David N. | Los Angeles | CA | US | |

US-CL-CURRENT: 705/26

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 3. Document ID: US 20020184178 A1

L11: Entry 3 of 6 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 4. Document ID: US 20020007237 A1

L11: Entry 4 of 6 File: PGPB Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007237
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020007237 A1

TITLE: Method and system for the diagnosis of vehicles

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Phung, Tam A. | Sunnyvale | CA | US | |
| Phung, Lan T. | Sunnyvale | CA | US | |

US-CL-CURRENT: 701/33; 701/29, 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 5. Document ID: US 6633742 B1

L11: Entry 5 of 6 File: USPT Oct 14, 2003

US-PAT-NO: 6633742
DOCUMENT-IDENTIFIER: US 6633742 B1

TITLE: System and method for adaptive knowledge access and presentation

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Turner; David | Kirkland | WA | | |
| Frank; Waldemar | Bellevue | WA | | |

US-CL-CURRENT: 434/350; 707/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 6. Document ID: US 5208898 A

L11: Entry 6 of 6 File: USPT May 4, 1993

US-PAT-NO: 5208898
DOCUMENT-IDENTIFIER: US 5208898 A

TITLE: Adaptive knowledge inference method and system

DATE-ISSUED: May 4, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Funabashi; Motohisa | Sagamihara | | | JP |
| Otokita; Tohru | Yokohama | | | JP |

US-CL-CURRENT: 706/45; 706/52, 706/900

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| diagnos$4 and adaptive adj knowledge and model$2 | 6 |

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**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6615199 B1

**Using default format because multiple data bases are involved.**

L12: Entry 1 of 1 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
** See image for Certificate of Correction **

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L2 and vehicle | 1 |

**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6615199 B1

**Using default format because multiple data bases are involved.**

L13: Entry 1 of 1 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
** See image for Certificate of Correction **

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L5 and vehicle | 1 |

**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20020184178 A1

**Using default format because multiple data bases are involved.**

L14: Entry 1 of 2 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20020007237 A1

L14: Entry 2 of 2 File: PGPB Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007237
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020007237 A1

TITLE: Method and system for the diagnosis of vehicles

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Phung, Tam A. | Sunnyvale | CA | US | |
| Phung, Lan T. | Sunnyvale | CA | US | |

US-CL-CURRENT: 701/33; 701/29, 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L8 and vehicle | 2 |

**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20020184178 A1

**Using default format because multiple data bases are involved.**

L15: Entry 1 of 2 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

☐ 2. Document ID: US 20020007237 A1

L15: Entry 2 of 2 File: PGPB Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007237
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020007237 A1

TITLE: Method and system for the diagnosis of vehicles

PUBLICATION-DATE: January 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Phung, Tam A. | Sunnyvale | CA | US | |
| Phung, Lan T. | Sunnyvale | CA | US | |

US-CL-CURRENT: 701/33; 701/29, 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

| Terms | Documents |
|---|---|
| L11 and vehicle | 2 |

**Display Format:** - Change Format

Previous Page  Next Page  Go to Doc#

# Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 42 of 42 returned.

☐ 1. Document ID: US 20040176887 A1

**Using default format because multiple data bases are involved.**

L18: Entry 1 of 42 File: PGPB Sep 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040176887
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040176887 A1

TITLE: Aircraft condition analysis and management system

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Kent, Renee | Annapolis | MD | US | |
| Bartolini, Antony | Edgewater | MD | US | |
| Munns, Tom | Gambrills | MD | US | |
| Sheppard, John | Pasadena | MD | US | |

US-CL-CURRENT: 701/30; 701/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20030144884 A1

L18: Entry 2 of 42 File: PGPB Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030144884
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030144884 A1

TITLE: Computerized prescription system for gathering and presenting information relating to pharmaceuticals

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Mayaud, Christian | New Canaan | CT | US | |

US-CL-CURRENT: 705/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 3. Document ID: US 20030065409 A1

L18: Entry 3 of 42 File: PGPB Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065409
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030065409 A1

TITLE: Adaptively detecting an event of interest

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Raeth, Peter G. | Beavercreek | OH | US | |
| Bostick, Randall L. | Springboro | OH | US | |
| Bertke, Donald Allen | Beavercreek | OH | US | |

US-CL-CURRENT: 700/31; 700/28, 700/30, 700/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 4. Document ID: US 20030058277 A1

L18: Entry 4 of 42 File: PGPB Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058277
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030058277 A1

TITLE: A VIEW CONFIGURER IN A PRESENTATION SERVICES PATTERNS ENVIROMENT

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| BOWMAN-AMUAH, MICHEL K. | COLORADO SPRINGS | CO | US | |

US-CL-CURRENT: 345/765

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 5. Document ID: US 20030028651 A1

L18: Entry 5 of 42 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028651
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030028651 A1

TITLE: Proprietary information utility

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Schreckengast, James O. | Fort Collins | CO | US | |
| Engberg, Anton I. | Auburn | CA | US | |

US-CL-CURRENT: 709/229; 705/52

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 6. Document ID: US 20020184178 A1

L18: Entry 6 of 42 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 7. Document ID: US 20020042726 A1

L18: Entry 7 of 42 File: PGPB Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042726
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042726 A1

TITLE: Prescription management system

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Mayaud, Christian | New Canaan | CT | US | |

US-CL-CURRENT: 705/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 8. Document ID: US 20020042725 A1

L18: Entry 8 of 42 File: PGPB Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042725
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042725 A1

TITLE: Computerized prescription system for gathering and presenting information relating to pharmaceuticals

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Mayaud, Christian | New Canaan | CT | US | |

US-CL-CURRENT: 705/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 9. Document ID: US 20020010679 A1

L18: Entry 9 of 42 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010679
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010679 A1

TITLE: Information record infrastructure, system and method

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Felsher, David Paul | Trumbull | CT | US | |

US-CL-CURRENT: 705/51; 705/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 10. Document ID: US 20010032029 A1

L18: Entry 10 of 42 File: PGPB Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010032029
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010032029 A1

TITLE: System and method for infrastructure design

PUBLICATION-DATE: October 18, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Kauffman, Stuart | Santa Fe | NM | US | |

US-CL-CURRENT: 700/99; 700/105, 700/106, 700/97, 705/7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 11. Document ID: US 6742015 B1

L18: Entry 11 of 42 File: USPT May 25, 2004

US-PAT-NO: 6742015
DOCUMENT-IDENTIFIER: US 6742015 B1

TITLE: Base services patterns in a netcentric environment

DATE-ISSUED: May 25, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 718/101; 709/223, 718/100, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 12. Document ID: US 6735630 B1

L18: Entry 12 of 42 File: USPT May 11, 2004

US-PAT-NO: 6735630
DOCUMENT-IDENTIFIER: US 6735630 B1

TITLE: Method for collecting data using compact internetworked wireless integrated network sensors (WINS)

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Gelvin; David C. | Escondido | CA | | |
| Girod; Lewis D. | Los Angeles | CA | | |
| Kaiser; William J. | Los Angeles | CA | | |
| Merrill; William M. | Los Angeles | CA | | |
| Newberg; Fredric | San Diego | CA | | |
| Pottie; Gregory J. | Los Angeles | CA | | |
| Sipos; Anton I. | Los Angeles | CA | | |
| Vardhan; Sandeep | Walnut | CA | | |

US-CL-CURRENT: 709/224; 706/33, 709/200




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☐ 13. Document ID: US 6715145 B1

L18: Entry 13 of 42 File: USPT Mar 30, 2004

US-PAT-NO: 6715145
DOCUMENT-IDENTIFIER: US 6715145 B1

TITLE: Processing pipeline in a base services pattern environment

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 718/101; 718/100, 719/316




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☐ 14. Document ID: US 6640249 B1

L18: Entry 14 of 42 File: USPT Oct 28, 2003

US-PAT-NO: 6640249
DOCUMENT-IDENTIFIER: US 6640249 B1
**** See image for Certificate of Correction ****

TITLE: Presentation services patterns in a netcentric environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/228; 719/315

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 15. Document ID: US 6640244 B1

L18: Entry 15 of 42 File: USPT Oct 28, 2003

US-PAT-NO: 6640244
DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/207; 707/10, 718/101

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 16. Document ID: US 6640238 B1

L18: Entry 16 of 42 File: USPT Oct 28, 2003

US-PAT-NO: 6640238
DOCUMENT-IDENTIFIER: US 6640238 B1
**** See image for Certificate of Correction ****

TITLE: Activity component in a presentation services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michael K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/201; 709/203, 709/223, 709/224

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 17. Document ID: US 6636242 B2

L18: Entry 17 of 42 File: USPT Oct 21, 2003

US-PAT-NO: 6636242
DOCUMENT-IDENTIFIER: US 6636242 B2

TITLE: View configurer in a presentation services patterns environment

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 345/764; 345/733, 345/744, 345/762, 345/765

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 18. Document ID: US 6615253 B1

L18: Entry 18 of 42 File: USPT Sep 2, 2003

US-PAT-NO: 6615253
DOCUMENT-IDENTIFIER: US 6615253 B1
** See image for Certificate of Correction **

TITLE: Efficient server side data retrieval for execution of client side applications

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/219; 707/100, 711/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 19. Document ID: US 6615199 B1

L18: Entry 19 of 42 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
** See image for Certificate of Correction **

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 20. Document ID: US 6606660 B1

L18: Entry 20 of 42 File: USPT Aug 12, 2003

US-PAT-NO: 6606660
DOCUMENT-IDENTIFIER: US 6606660 B1

TITLE: Stream-based communication in a communication services patterns environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/227

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 21. Document ID: US 6601234 B1

L18: Entry 21 of 42 File: USPT Jul 29, 2003

US-PAT-NO: 6601234
DOCUMENT-IDENTIFIER: US 6601234 B1

TITLE: Attribute dictionary in a business logic services environment

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/108; 705/7, 717/107, 717/116

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 22. Document ID: US 6601192 B1

L18: Entry 22 of 42 File: USPT Jul 29, 2003

US-PAT-NO: 6601192
DOCUMENT-IDENTIFIER: US 6601192 B1

TITLE: Assertion component in environment services patterns

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/38

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 23. Document ID: US 6578068 B1

L18: Entry 23 of 42 File: USPT Jun 10, 2003

US-PAT-NO: 6578068
DOCUMENT-IDENTIFIER: US 6578068 B1

TITLE: Load balancer in environment services patterns

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/203; 709/226, 718/105

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 24. Document ID: US 6571282 B1

L18: Entry 24 of 42 File: USPT May 27, 2003

US-PAT-NO: 6571282
DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/219; 707/10, 709/203, 719/329

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 25. Document ID: US 6550057 B1

L18: Entry 25 of 42 File: USPT Apr 15, 2003

US-PAT-NO: 6550057
DOCUMENT-IDENTIFIER: US 6550057 B1
**** See image for Certificate of Correction ****

TITLE: Piecemeal retrieval in an information services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/126; 700/80, 707/5, 717/101, 717/102, 717/108, 717/109, 717/113

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 26. Document ID: US 6549949 B1

L18: Entry 26 of 42 File: USPT Apr 15, 2003

US-PAT-NO: 6549949
DOCUMENT-IDENTIFIER: US 6549949 B1

TITLE: Fixed format stream in a communication services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/236; 709/246

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 27. Document ID: US 6539396 B1

L18: Entry 27 of 42 File: USPT Mar 25, 2003

US-PAT-NO: 6539396
DOCUMENT-IDENTIFIER: US 6539396 B1
**** See image for Certificate of Correction ****

TITLE: Multi-object identifier system and method for information service pattern environment

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 707/103R; 707/101, 707/102, 707/103X, 707/202, 707/203, 711/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 28. Document ID: US 6529948 B1

L18: Entry 28 of 42 File: USPT Mar 4, 2003

US-PAT-NO: 6529948
DOCUMENT-IDENTIFIER: US 6529948 B1
**** See image for Certificate of Correction ****

TITLE: Multi-object fetch component

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/217; 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 29. Document ID: US 6529909 B1

L18: Entry 29 of 42 File: USPT Mar 4, 2003

US-PAT-NO: 6529909
DOCUMENT-IDENTIFIER: US 6529909 B1
**** See image for Certificate of Correction ****

TITLE: Method for translating an object attribute converter in an information services patterns environment

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 707/10; 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 30. Document ID: US 6502213 B1

L18: Entry 30 of 42 File: USPT Dec 31, 2002

US-PAT-NO: 6502213
DOCUMENT-IDENTIFIER: US 6502213 B1
**** See image for Certificate of Correction ****

TITLE: System, method, and article of manufacture for a polymorphic exception handler in environment services patterns

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/49; 710/266, 710/268, 710/269

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 31. Document ID: US 6496850 B1

L18: Entry 31 of 42 File: USPT Dec 17, 2002

US-PAT-NO: 6496850
DOCUMENT-IDENTIFIER: US 6496850 B1

TITLE: Clean-up of orphaned server contexts

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/203; 707/102, 709/224, 709/228

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 32. Document ID: US 6477665 B1

L18: Entry 32 of 42 File: USPT Nov 5, 2002

US-PAT-NO: 6477665
DOCUMENT-IDENTIFIER: US 6477665 B1

TITLE: System, method, and article of manufacture for environment services patterns in a netcentic environment

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/39; 712/244

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 33. Document ID: US 6477580 B1

L18: Entry 33 of 42 File: USPT Nov 5, 2002

US-PAT-NO: 6477580
DOCUMENT-IDENTIFIER: US 6477580 B1

TITLE: Self-described stream in a communication services patterns environment

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/231; 709/236

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 34. Document ID: US 6442748 B1

L18: Entry 34 of 42 File: USPT Aug 27, 2002

US-PAT-NO: 6442748
DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/108; 707/103R, 707/104.1, 707/9, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 35. Document ID: US 6438594 B1

L18: Entry 35 of 42 File: USPT Aug 20, 2002

US-PAT-NO: 6438594
DOCUMENT-IDENTIFIER: US 6438594 B1

TITLE: Delivering service to a client via a locally addressable interface

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/225; 709/203, 709/217, 709/250

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 36. Document ID: US 6434628 B1

L18: Entry 36 of 42 File: USPT Aug 13, 2002

US-PAT-NO: 6434628
DOCUMENT-IDENTIFIER: US 6434628 B1

TITLE: Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/48; 714/1, 714/15

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 37. Document ID: US 6434568 B1

L18: Entry 37 of 42 File: USPT Aug 13, 2002

US-PAT-NO: 6434568
DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 707/103R; 707/10, 709/203

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 38. Document ID: US 6339832 B1

L18: Entry 38 of 42 File: USPT Jan 15, 2002

US-PAT-NO: 6339832
DOCUMENT-IDENTIFIER: US 6339832 B1

TITLE: Exception response table in environment services patterns

DATE-ISSUED: January 15, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/35; 710/266, 710/48, 714/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 39. Document ID: US 6332163 B1

L18: Entry 39 of 42 File: USPT Dec 18, 2001

US-PAT-NO: 6332163
DOCUMENT-IDENTIFIER: US 6332163 B1

TITLE: Method for providing communication services over a computer network system

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/231; 709/217, 709/223, 709/227, 719/329

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 40. Document ID: US 6289382 B1

L18: Entry 40 of 42 File: USPT Sep 11, 2001

US-PAT-NO: 6289382

DOCUMENT-IDENTIFIER: US 6289382 B1

TITLE: System, method and article of manufacture for a globally addressable interface in a communication services patterns environment

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/226

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 41. Document ID: US 5845255 A

L18: Entry 41 of 42 File: USPT Dec 1, 1998

US-PAT-NO: 5845255
DOCUMENT-IDENTIFIER: US 5845255 A

TITLE: Prescription management system

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Mayaud; Christian | New Canaan | CT | | |

US-CL-CURRENT: 705/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 42. Document ID: US 5737539 A

L18: Entry 42 of 42 File: USPT Apr 7, 1998

US-PAT-NO: 5737539
DOCUMENT-IDENTIFIER: US 5737539 A

TITLE: Prescription creation system

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Edelson; Jonathan | Scarsdale | NY | | |
| Mayaud; Christian | New Canaan | CT | | |

US-CL-CURRENT: 705/3; 705/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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| Terms | Documents |
|---|---|
| L17 and decision adj support | 42 |

**Display Format:** - Change Format

Previous Page Next Page Go to Doc#

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**Search Results** - Record(s) 1 through 35 of 35 returned.

☐ 1. Document ID: US 20040176887 A1

**Using default format because multiple data bases are involved.**

L19: Entry 1 of 35 File: PGPB Sep 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040176887
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040176887 A1

TITLE: Aircraft condition analysis and management system

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Kent, Renee | Annapolis | MD | US | |
| Bartolini, Antony | Edgewater | MD | US | |
| Munns, Tom | Gambrills | MD | US | |
| Sheppard, John | Pasadena | MD | US | |

US-CL-CURRENT: 701/30; 701/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20030058277 A1

L19: Entry 2 of 35 File: PGPB Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058277
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030058277 A1

TITLE: A VIEW CONFIGURER IN A PRESENTATION SERVICES PATTERNS ENVIROMENT

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| BOWMAN-AMUAH, MICHEL K. | COLORADO SPRINGS | CO | US | |

US-CL-CURRENT: 345/765

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20020184178 A1

L19: Entry 3 of 35 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Tasooji, Amaneh | Tempe | AZ | US | |
| Haigh, Karen Z. | Greenfield | MN | US | |
| Reising, Dal Vernon C. | Coon Rapids | MN | US | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20020010679 A1

L19: Entry 4 of 35 File: PGPB Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010679
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010679 A1

TITLE: Information record infrastructure, system and method

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Felsher, David Paul | Trumbull | CT | US | |

US-CL-CURRENT: 705/51; 705/3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 20010032029 A1

L19: Entry 5 of 35 File: PGPB Oct 18, 2001

PGPUB-DOCUMENT-NUMBER: 20010032029
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010032029 A1

TITLE: System and method for infrastructure design

PUBLICATION-DATE: October 18, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---|---|---|---|---|
| Kauffman, Stuart | Santa Fe | NM | US | |

US-CL-CURRENT: 700/99; 700/105, 700/106, 700/97, 705/7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 6. Document ID: US 6742015 B1

L19: Entry 6 of 35 File: USPT May 25, 2004

US-PAT-NO: 6742015
DOCUMENT-IDENTIFIER: US 6742015 B1

TITLE: Base services patterns in a netcentric environment

DATE-ISSUED: May 25, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 718/101; 709/223, 718/100, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 7. Document ID: US 6735630 B1

L19: Entry 7 of 35 File: USPT May 11, 2004

US-PAT-NO: 6735630
DOCUMENT-IDENTIFIER: US 6735630 B1

TITLE: Method for collecting data using compact internetworked wireless integrated network sensors (WINS)

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Gelvin; David C. | Escondido | CA | | |

| | | |
|---|---|---|
| Girod; Lewis D. | Los Angeles | CA |
| Kaiser; William J. | Los Angeles | CA |
| Merrill; William M. | Los Angeles | CA |
| Newberg; Fredric | San Diego | CA |
| Pottie; Gregory J. | Los Angeles | CA |
| Sipos; Anton I. | Los Angeles | CA |
| Vardhan; Sandeep | Walnut | CA |

US-CL-CURRENT: 709/224; 706/33, 709/200

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 8. Document ID: US 6715145 B1

L19: Entry 8 of 35 File: USPT Mar 30, 2004

US-PAT-NO: 6715145
DOCUMENT-IDENTIFIER: US 6715145 B1

TITLE: Processing pipeline in a base services pattern environment

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 718/101; 718/100, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 9. Document ID: US 6640249 B1

L19: Entry 9 of 35 File: USPT Oct 28, 2003

US-PAT-NO: 6640249
DOCUMENT-IDENTIFIER: US 6640249 B1
**** See image for Certificate of Correction ****

TITLE: Presentation services patterns in a netcentric environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/228; 719/315

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

☐ 10. Document ID: US 6640244 B1

L19: Entry 10 of 35 File: USPT Oct 28, 2003

US-PAT-NO: 6640244
DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/207; 707/10, 718/101

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

☐ 11. Document ID: US 6640238 B1

L19: Entry 11 of 35 File: USPT Oct 28, 2003

US-PAT-NO: 6640238
DOCUMENT-IDENTIFIER: US 6640238 B1
**** See image for Certificate of Correction ****

TITLE: Activity component in a presentation services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michael K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/201; 709/203, 709/223, 709/224

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

☐ 12. Document ID: US 6636242 B2

L19: Entry 12 of 35 File: USPT Oct 21, 2003

US-PAT-NO: 6636242
DOCUMENT-IDENTIFIER: US 6636242 B2

TITLE: View configurer in a presentation services patterns environment

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 345/764; 345/733, 345/744, 345/762, 345/765

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 13. Document ID: US 6615253 B1

L19: Entry 13 of 35 File: USPT Sep 2, 2003

US-PAT-NO: 6615253
DOCUMENT-IDENTIFIER: US 6615253 B1
** See image for Certificate of Correction **

TITLE: Efficient server side data retrieval for execution of client side applications

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/219; 707/100, 711/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 14. Document ID: US 6615199 B1

L19: Entry 14 of 35 File: USPT Sep 2, 2003

US-PAT-NO: 6615199
DOCUMENT-IDENTIFIER: US 6615199 B1
** See image for Certificate of Correction **

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 706/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 15. Document ID: US 6606660 B1

L19: Entry 15 of 35 File: USPT Aug 12, 2003

US-PAT-NO: 6606660
DOCUMENT-IDENTIFIER: US 6606660 B1

TITLE: Stream-based communication in a communication services patterns environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/227

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 16. Document ID: US 6601234 B1

L19: Entry 16 of 35 File: USPT Jul 29, 2003

US-PAT-NO: 6601234
DOCUMENT-IDENTIFIER: US 6601234 B1

TITLE: Attribute dictionary in a business logic services environment

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/108; 705/7, 717/107, 717/116

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 17. Document ID: US 6601192 B1

L19: Entry 17 of 35 File: USPT Jul 29, 2003

US-PAT-NO: 6601192
DOCUMENT-IDENTIFIER: US 6601192 B1

TITLE: Assertion component in environment services patterns

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/38

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 18. Document ID: US 6578068 B1

L19: Entry 18 of 35 File: USPT Jun 10, 2003

US-PAT-NO: 6578068
DOCUMENT-IDENTIFIER: US 6578068 B1

TITLE: Load balancer in environment services patterns

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/203; 709/226, 718/105

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 19. Document ID: US 6571282 B1

L19: Entry 19 of 35 File: USPT May 27, 2003

US-PAT-NO: 6571282
DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/219; 707/10, 709/203, 719/329

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 20. Document ID: US 6550057 B1

L19: Entry 20 of 35 File: USPT Apr 15, 2003

US-PAT-NO: 6550057
DOCUMENT-IDENTIFIER: US 6550057 B1
** See image for Certificate of Correction **

TITLE: Piecemeal retrieval in an information services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/126; 700/80, 707/5, 717/101, 717/102, 717/108, 717/109, 717/113

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 21. Document ID: US 6549949 B1

L19: Entry 21 of 35 File: USPT Apr 15, 2003

US-PAT-NO: 6549949
DOCUMENT-IDENTIFIER: US 6549949 B1

TITLE: Fixed format stream in a communication services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/236; 709/246

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 22. Document ID: US 6539396 B1

L19: Entry 22 of 35 File: USPT Mar 25, 2003

US-PAT-NO: 6539396
DOCUMENT-IDENTIFIER: US 6539396 B1
** See image for Certificate of Correction **

TITLE: Multi-object identifier system and method for information service pattern environment

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 707/103R; 707/101, 707/102, 707/103X, 707/202, 707/203, 711/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 23. Document ID: US 6529948 B1

L19: Entry 23 of 35 File: USPT Mar 4, 2003

US-PAT-NO: 6529948
DOCUMENT-IDENTIFIER: US 6529948 B1
**** See image for Certificate of Correction ****

TITLE: Multi-object fetch component

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/217; 709/219

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 24. Document ID: US 6529909 B1

L19: Entry 24 of 35 File: USPT Mar 4, 2003

US-PAT-NO: 6529909
DOCUMENT-IDENTIFIER: US 6529909 B1
**** See image for Certificate of Correction ****

TITLE: Method for translating an object attribute converter in an information services patterns environment

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 707/10; 707/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 25. Document ID: US 6502213 B1

L19: Entry 25 of 35 File: USPT Dec 31, 2002

US-PAT-NO: 6502213

DOCUMENT-IDENTIFIER: US 6502213 B1
**** See image for Certificate of Correction ****

TITLE: System, method, and article of manufacture for a polymorphic exception handler in environment services patterns

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/49; 710/266, 710/268, 710/269

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 26. Document ID: US 6496850 B1

L19: Entry 26 of 35 File: USPT Dec 17, 2002

US-PAT-NO: 6496850
DOCUMENT-IDENTIFIER: US 6496850 B1

TITLE: Clean-up of orphaned server contexts

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/203; 707/102, 709/224, 709/228

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 27. Document ID: US 6477665 B1

L19: Entry 27 of 35 File: USPT Nov 5, 2002

US-PAT-NO: 6477665
DOCUMENT-IDENTIFIER: US 6477665 B1

TITLE: System, method, and article of manufacture for environment services patterns in a netcentic environment

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/39; 712/244

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 28. Document ID: US 6477580 B1

L19: Entry 28 of 35 File: USPT Nov 5, 2002

US-PAT-NO: 6477580
DOCUMENT-IDENTIFIER: US 6477580 B1

TITLE: Self-described stream in a communication services patterns environment

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/231; 709/236

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 29. Document ID: US 6442748 B1

L19: Entry 29 of 35 File: USPT Aug 27, 2002

US-PAT-NO: 6442748
DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 717/108; 707/103R, 707/104.1, 707/9, 719/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 30. Document ID: US 6438594 B1

L19: Entry 30 of 35 File: USPT Aug 20, 2002

US-PAT-NO: 6438594
DOCUMENT-IDENTIFIER: US 6438594 B1

TITLE: Delivering service to a client via a locally addressable interface

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/225; 709/203, 709/217, 709/250

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 31. Document ID: US 6434628 B1

L19: Entry 31 of 35 File: USPT Aug 13, 2002

US-PAT-NO: 6434628
DOCUMENT-IDENTIFIER: US 6434628 B1

TITLE: Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/48; 714/1, 714/15

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 32. Document ID: US 6434568 B1

L19: Entry 32 of 35 File: USPT Aug 13, 2002

US-PAT-NO: 6434568
DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 707/103R; 707/10, 709/203

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

☐ 33. Document ID: US 6339832 B1

L19: Entry 33 of 35 File: USPT Jan 15, 2002

US-PAT-NO: 6339832
DOCUMENT-IDENTIFIER: US 6339832 B1

TITLE: Exception response table in environment services patterns

DATE-ISSUED: January 15, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 714/35; 710/266, 710/48, 714/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

☐ 34. Document ID: US 6332163 B1

L19: Entry 34 of 35 File: USPT Dec 18, 2001

US-PAT-NO: 6332163
DOCUMENT-IDENTIFIER: US 6332163 B1

TITLE: Method for providing communication services over a computer network system

DATE-ISSUED: December 18, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/231; 709/217, 709/223, 709/227, 719/329

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

☐ 35. Document ID: US 6289382 B1

L19: Entry 35 of 35 File: USPT Sep 11, 2001

US-PAT-NO: 6289382
DOCUMENT-IDENTIFIER: US 6289382 B1

TITLE: System, method and article of manufacture for a globally addressable interface in a communication services patterns environment

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bowman-Amuah; Michel K. | Colorado Springs | CO | | |

US-CL-CURRENT: 709/226

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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            ATTLEPLANE? OR COMBATPLANE?
S24    258972   CAR OR CARS OR AUTO OR AUTOS OR AUTOMOBILE? OR MOTORCAR? ?
            OR MOTOCAR? ? OR AUTOCAR? ? OR TRUCK? ? OR TRAILERTRUCK?
S25       444   TRACTORTRAILER? OR SEMITRAILER?
S26    109585   TANK? ? OR (ARMOR?? ? OR ARMOUR?? ?)()PERSONNEL()CARRIER? ?
             OR APC OR APCS
S27       481   DECISION?(3N)TOOL? ?
S28     12409   S20:S26(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ?
            OR CHEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? -
            OR SURVEY?)
S29     14846   S20:S26(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR A-
            SSESS? OR EVALUAT? OR APPRAIS? OR TRACK?)
S30      8055   S20:S26(2N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR SERVIC?-
            ?? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S31        38   S2(25N)(S13 OR S15:S18 OR S27)
S32         2   S31(25N)S19:S26
S33      3209   (S3 OR S5:S7)(25N)(S13 OR S15:S18 OR S27)
S34       132   S33(25N)S9:S12
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|---|---|---|
| S35 | 4 | S34(25N)S19:S26 |
| S36 | 85 | S33(25N)S19:S26 |
| S37 | 15 | S36/TI,AB,CM |
| S38 | 9391 | IC='G06F-011' |
| S39 | 556 | IC='G06F-015/18' |
| S40 | 1339 | IC='G05B-013' |
| S41 | 1 | S36 AND S38:S40 |
| S42 | 12 | S33(35N)S28:S30 |
| S43 | 24 | (S35 OR S37 OR S41:S42) NOT S32 |
| S44 | 24 | IDPAT (sorted in duplicate/non-duplicate order) |
| S45 | 24 | IDPAT (primary/non-duplicate records only) |
| S46 | 47057 | IC='G06F-017' |
| S47 | 31 | S36 AND S46 |
| S48 | 19 | S47 NOT (S32 OR S45) |
| S49 | 19 | IDPAT (sorted in duplicate/non-duplicate order) |
| S50 | 18 | IDPAT (primary/non-duplicate records only) |

? t32/5,k/1

**32/5,K/1 (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00967503 **Image available**
**ADAPTIVE KNOWLEDGE MANAGEMENT SYSTEM FOR VEHICLE TREND MONITORING, HEALTH MANAGEMENT AND PREVENTIVE MAINTENANCE**
**SYSTEME DE GESTION DES CONNAISSANCES ADAPTATIF DESTINE A LA SURVEILLANCE DE LA TENDANCE DES VEHICULES, A LA GESTION DE LA SANTE ET A LA MAINTENANCE PREVENTIVE**

Patent Applicant/Assignee:
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Legal Representative:
CRISS Roger H (et al) (agent), Honeywell International Inc., 101 Columbia Avenue, P.O. Box 2245, Morristown, NJ 07960, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2002101555 A2-A3 20021219 (WO 02101555)
Application: WO 2002US17220 20020603 (PCT/WO US02017220)
Priority Application: US 2001874074 20010604
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: G06F-011/25
International Patent Class: G05B-023/02
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 2667

English Abstract
A method and an **Adaptive Knowledge** Management is provided. The **Adaptive Knowledge** Management System is used for assisting a user with **decision making** by providing real-time, on-line automated recommendations for actions in a monitored **vehicle** troubleshooting, performance trend monitoring, health management and preemptive maintenance domain diagnostics and prognostics. The system creates a Structured Knowledge Repository, constructed from models, historical data, and heuristics for organizing a model domain knowledge. It uses a plurality of Analytical and Machine Learning tools for capturing knowledge from data sources and populating cells of the Structured Knowledge Repository. A Mixed-Initiative Planning module is used for interpreting operation goals for the monitored vehicle and utilizing the Structure Knowledge Repository for developing recommendations for user decision making. A plurality of Mixed-initiative Decision Support tools use the feedback from the Mixed-Initiative Planning module and query the Structured Knowledge Repository for incorporating the extracted knowledge and information into outputs dealing with current issues and

contingencies.

French Abstract
L'invention concerne un procede et un systeme de gestion des connaissances adaptatif. Ce systeme de gestion des connaissances est utilise en vue d'assister un utilisateur dans ses prises de decision en fournissant en temps reel, des recommandations automatisees en ligne pour des actions dans un diagnostic de pannes de vehicule surveille, la surveillance de la tendance des vehicules, la gestion de la sante et les diagnostics et pronostics de domaine de maintenance preventive. Le systeme de l'invention cree un depot de connaissances structure, fabrique a partir de modeles, de donnees historiques, et de connaissances heuristiques afin d'organiser une connaissance de domaine de modele. Il utilise plusieurs outils d'apprentissage machine et analytique afin de capturer des connaissances a partir des sources de donnees et de garnir des cellules du depot de connaissances structure. Un module de planification d'initiatives melangees est utilise en vue d'interpreter des buts d'operation pour le vehicule surveille et d'utiliser le depot de connaissances structure pour developper des recommandations a l'utilisateur prenant de decisions. Plusieurs outils de support de decision d'initiatives melangees utilise la retroaction du module de planification d'initiatives melangees et requiert le depot de connaissances structure en vue d'incorporer les connaissances et les informations extraites dans les sorties traitant de problemes courants et de faux frais.

Legal Status (Type, Date, Text)
Publication 20021219 A2 Without international search report and to be republished upon receipt of that report.
Examination 20030918 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20040304 Late publication of international search report
Republication 20040304 A3 With international search report.
Fulltext Availability:
Detailed Description
Claims

English Abstract
A method and an **Adaptive Knowledge** Management is provided. The **Adaptive Knowledge** Management System is used for assisting a user with **decision making** by providing real-time, on-line automated recommendations for actions in a monitored **vehicle** troubleshooting, performance trend monitoring, health management and preemptive maintenance domain diagnostics and prognostics. The system...

Detailed Description
... carried to ensure parts availability, in order to better manage the maintenance and repair of **aircraft** systems, subsystems, and components.

SUMMARY OF THE INVENTION
[006] In one aspect of the present invention, an **Adaptive Knowledge** Management System for assisting a user with **decision making** by providing
real-time, on-line automated recommendations for actions in a monitored **vehicle** troubleshooting, performance trend monitoring, health management and
preemptive maintenance domain diagnostics and prognostics comprises a... of the present invention.

[0011] The present invention is directed to a method and an **Adaptive**

**Knowledge** Management System (AKMS) used to exploit all available **aircraft** information throughout the life cycle, for assisting a user with **decision making** by providing real-time, on-line automated recommendations, thus enabling the user to explore, evaluate...

Claim

1 A method usable in an **Adaptive Knowledge** Management System for assisting a user with **decision making** by providing real-time, on-line automated recommendations for actions in a monitored **vehicle** troubleshooting,
performance trend monitoring, health management and preemptive maintenance domain diagnostics and prognostics, comprising the...

?

**45/5,K/1 (Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01761177
**Communication server switching controller**
**Schaltregler fur Kommunikationsserver**
**Regulateur de commutation pour serveur de communication**
PATENT ASSIGNEE:
Komatsu Ltd, Electronics Business Unit, (4646160), 3-25-1, Shinomiya,, Hiratsuka City, Kanagawa 254-8555, (JP), (Applicant designated States: all)
INVENTOR:
Kouda, Toshihiko c/o KOMATSU LTD.,DEVELOPMENT DIV., 3-25-1, Shinomiya, Hiratsuka City, KANAGAWA, 254-8555, (JP)
Nakakoji, Y. KOMATSU LTD., DEVELOPMENT DIV., 3-25-1, Shinomiya, Hiratsuka City, KANAGAWA, 254-8555, (JP)
LEGAL REPRESENTATIVE:
Poulin, Gerard et al (17982), BREVALEX 3, rue du Docteur Lancereaux, 75008 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 1439466 A2 040721 (Basic)
APPLICATION (CC, No, Date): EP 2003104853 031219;
PRIORITY (CC, No, Date): JP 2002368597 021219
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-009/445

ABSTRACT EP 1439466 A2
The server switching controller system of the present invention includes a first server (2) and a second server (3) connected to a common controller (30,20) installed in a vehicle (50) via communication means (14, 15, 8, 9, 10, and 11) to freely communicate with each other with said first server (2) and said second server (3) each having a server ID and an address (ID1 and ID2) for identifying itself; and with the controller (30, 20) having a controller ID and an address ID3 corresponding to the first server ID or an address ID4 corresponding to the second server ID, respectively such that the controller (30,20) in the vehicle 50 will be connected either to first server (2) or to the second server (3) based on the address of the first server (2) or second server (3) respectively and program means for switching the address setting in the controller to permit the controller to selectively communicate with either the first or second server so as to operate either in a normal mode or in an overwrite mode.
ABSTRACT WORD COUNT: 178
NOTE:
Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 040721 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|---|---|---|---|
| CLAIMS A | (English) | 200430 | 292 |
| SPEC A | (English) | 200430 | 7777 |
| Total word count - document A | | | 8069 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 8069 |


...SPECIFICATION 104 ofthe conditions in Step 103.

Overwriting specific server 3 executes the checking and the **decision making** processes of Steps 103 and 104. In other words, the "overwrite" command reaches **data collection** controller 20, when the **vehicle condition** data to be **checked** stored therein is sent out therefrom to communication controller 30 via communication circuit 51 in the **vehicle** body. The **vehicle** condition data to be checked is then transmitted by radio communication 11 from antenna 31...

**45/5,K/5 (Item 5 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00965469 **Image available**
**METHOD AND APPARATUS FOR TRANSMITTING DATA FROM A REMOTE LOCATION TO A DESIRED DEVICE**
**PROCEDE ET APPAREIL PERMETTANT DE TRANSMETTRE DES** DONNEES A UN DISPOSITIF **SOUHAITE A PARTIR D'UN EMPLACEMENT DISTANT**
Patent Applicant/Assignee:
E-NETPIC COM INC, 2501 Westgate Avenue #1, West Palm Beach, FL 33409, US, US (Residence), US (Nationality)
Inventor(s):
WADE Frederick G, 2303 Newbury Drive, Wellington, FL 33414, US,
STACK Brian T, 8438 Glencairn Lane, Miami Lakes, FL 33016, US,
SMEDS Roger L, 4455 S.E. Tribout Lane, Stuart, FL 34997, US,
Legal Representative:
GIBBONS Jon A (agent), Fleit, Kain, Gibbons, Gutman & Bongini P.L., Suite 111, One Boca Commerce Center, 551 NW 77th Street, Boca Raton, FL 33487-1330, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200299559 A2-A3 20021212 (WO 0299559)
Application: WO 2002US12414 20020422 (PCT/WO US0212414)
Priority Application: US 2001293975 20010530; US 2001984648 20011030
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-015/16
International Patent Class: G06F-019/00; H04M-011/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7539

English Abstract
A method for transmitting data from a remote location for evaluation by an expert (fig.10). A remote appliance (30) couples a data collection device (20) with a communications device (40) to transmit collected data and serve as a virtual remote presence server. The remote appliance transmit collected data. The remote appliance transmits the data in accordance with subscriber information stored in a centralized device

(52). The data can be processed or evaluated in any manner.

French Abstract
L'invention concerne un procede permettant de transmettre des donnees a partir d'un emplacement distant afin qu'elle soient evaluees par un expert. Un appareil distant couple un dispositif de collecte de donnees avec un dispositif de communication afin de transmettre les donnees collectees et de constituer un serveur de presence virtuelle distante. L'appareil distant transmet les donnees collectees conformement aux informations d'abonne stockees dans un dispositif centralise. Les donnees peuvent etre traitees ou evaluees de quelque facon que ce soit.

Legal Status (Type, Date, Text)
Publication 20021212 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20030417 Late publication of international search report
Republication 20030417 A3 With international search report.
Fulltext Availability:
Detailed Description

Detailed Description
... computer 50 to the device.

[0038] The invention can be applied in any type of **decision support** system in which data can be transmitted to assist the decision. For example, the
invention can be implemented in a roadside **vehicle service** system. **Data**
**collection** device 20 can -be a diagnostic device that connects to the **vehicle diagnostic** port. Remote appliance 30 can determine the type of diagnostic device as described above and...

**45/5,K/8 (Item 8 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00946916 **Image available**
**SYSTEM AND METHOD OF ANALYZING AIRCRAFT REMOVAL DATA FOR PREVENTATIVE MAINTENANCE**
**SYSTEME ET PROCEDE D'ANALYSE DE DONNEES DE RETRAIT D'AERONEFS POUR ENTRETIEN PREVENTIF**
Patent Applicant/Assignee:
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Patent Applicant/Inventor:
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WHETSELL Bob W, 30015 Oakland Hills Drive, Georgetown, TX 78628, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
BARRETT Michael C (agent), Fulbright & Jaworski, L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX 78701, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200279930 A2-A3 20021010 (WO 0279930)
Application: WO 2002US9446 20020328 (PCT/WO US02009446)
Priority Application: US 2001821842 20010328

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7956

English Abstract
A system includes a computer server (60; fig.1) for receiving an aircraft dataset; a database (160) operably coupled to the computer server for storing the aircraft dataset into data fields; a web portal (170) operably coupled to the server and the database for providing real-time access to consumers, and optionally issuing a notification for retrieval thereof. The system employs a method (fig. 4) of analyzing aircraft data (using 175) for preventative maintenance, including an aircraft dataset from at least one operational source; parsing the aircraft dataset into at least one data field; determining an acceptable range of values for the aircraft dataset within at least one of the fields to define a threshold for the aircraft dataset; automatically activating a dynamic trigger to indicate a maintenance alert when the threshold is crossed; deriving a performance indication for the at least one operational source by determining one or more performance trends of the aircraft dataset; associating with the maintenance alert a notification having a status level indicative of a maintenance condition for the at least one operational source; combining the performance indication and the notification into an electronic report that forecasts need for preventive aircraft maintenance; and automatically delivering the electronic report to a predetermined location for retrieval by a consumer.

French Abstract
Systeme comprenant un serveur informatique pour recevoir un ensemble de donnees d'aeronef ; une base de donnees couplee exploitable au serveur informatique pour stocker l'ensemble de donnees d'aeronef dans des champs de donnees ; un portail web couple exploitable au serveur informatique et a la base de donnees pour fournir un acces en temps reel a des clients ; et un moteur d'analyse d'entretien couple au serveur informatique, a la base de donnees et au portail web pour traiter l'ensemble de donnees d'aeronef afin de produire des rapports d'information destines a etre remis automatiquement aux clients, et eventuellement emettre une notification a cet effet. Le systeme emploie un procede d'analyse de donnees d'aeronef a des fins d'entretien preventif, qui comporte les etapes consistant a : utiliser un ensemble de donnees d'aeronef provenant d'au moins une source en exploitation ; analyser cet ensemble de donnees dans au moins un champ de donnees ; determiner une plage acceptable de valeurs pour l'ensemble de donnees d'aeronef dans le(s) champ(s) de donnees afin de definir un seuil pour cet ensemble de donnees ; activer automatiquement un declencheur dynamique pour indiquer une alerte d'entretien quand le seuil est depasse ; calculer une indication de performances pour la ou les source(s) en exploitation en determinant une

ou plusieurs tendance(s) de performances de l'ensemble de donnees d'aeronef ; associer a l'alerte d'entretien une notification comportant un niveau d'etat indiquant un etat d'entretien de la ou des source(s) en exploitation ; combiner l'indication de performances et la notification dans un rapport electronique qui prevoit les besoins d'entretien preventif de l'aeronef ; et remettre automatiquement le rapport electronique en un lieu predetermine afin qu'il soit recupere par le client .

Legal Status (Type, Date, Text)
Publication 20021010 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20040408 Late publication of international search report
Republication 20040408 A3 With international search report.
Republication 20040408 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination 20040513 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Claims

Claim
... optionally by the experts 180. In an' alternate embodiment, the present invention provides a maintenance **decision support** to a user. Utilizing a **dataset** , such as the **Dataset** A, 240A, indicative of maintenance information associated with an operational source, such as one form the **aircraft** operational sources 1 1 0, an active dataset is derived. In response to an analysis...and disseminating one or more proactive reconimendations through the web portal, the one or more **recommendations** being **derived** from a performance trending indication of the **aircraft** **dataset** stored in the **database** by dynamically Ragging the one or more data fields when the dynamic limit is reached.

20 A system of **analyzing** **aircraft** data for **preventative** **maintenance** , comprising: a computer server for receiving an **aircraft** dataset from a plurality of operational sources
to parse the **aircraft** dataset into a plurality of data fields;
,a database operably coupled to the computer server...

**45/5,K/10 (Item 10 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00920264 **Image available**
**METHOD AND SYSTEM FOR IMPLEMENTING RULES AND RULEFLOWS**
**PROCEDE ET SYSTEME DE MISE EN OEUVRE DE REGLES ET DE FLUX DE REGLES**
Patent Applicant/Assignee:
HNC SOFTWARE, 5935 Cornerstone Court West, San Diego, CA 92121, US, US (Residence), US (Nationality)
Inventor(s):
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SERRANO-MORALES Carlos A, 1019 Valley Forge Drive, Sunnyvale, CA 94087, US,
Legal Representative:
MILLER Jeffrey A (agent), Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071-2066, US,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200254322 A2 20020711 (WO 0254322)
Application: WO 2001US50755 20011228 (PCT/WO US0150755)
Priority Application: US 2000751535 20001229
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11159

English Abstract
The present invention is directed to a method and mechanism for using rules metaphors to implement rules and ruleflows. Examples of such rules metaphors include decision tables, trees, scoreboards, state transition diagrams, and questionnaires. By providing a choice of different rules metaphors, a rule developer can advantageously tailor the framework by which rules are created and accessed to more closely match the specific processes or task being addressed.

French Abstract
L'invention porte sur un procede et un mecanisme utilisant des metaphores de regles pour mettre en oeuvre des regles et des flux de regles. De telles metaphores comprennent des tables de decision, des arborescences, des tableaux d'affichage, des diagrammes de transition d'etats, et des questionnaires. Disposant d'un choix de metaphores de regles, un concepteur de regles peut facilement faconner le cadre de creation des regles et d'acces aux regles de maniere a s'adapter au plus pres aux processus, et aux taches a accomplir.

Legal Status (Type, Date, Text)
Publication 20020711 A2 Without international search report and to be republished upon receipt of that report.
Examination 20021121 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... use such systems for guidance in approving and rejecting loan applications. The military may use **knowledge based** systems to **analyze** battlefield **conditions** and **make** tactical **suggestions** . Other examples of disciplines in which **knowledge based** systems can be used include **automobile repair** , medical 1 5 diagnosis, oil exploration, financial planning, chemical analysis, surgery, locomotive repair, weather prediction...

**45/5,K/11 (Item 11 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT
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00905098 **Image available**

**POSITIONING AND GROUND PROXIMITY WARNING METHOD AND SYSTEM THEREOF FOR VEHICLE**

**PROCEDE ET SYSTEME D'ALERTE DE LOCALISATION ET DE PROXIMITE AU SOL POUR VEHICULE**

Patent Applicant/Inventor:
LIN Ching-Fang, 888 Easy Street, Simi Valley, CA 93065, US, US (Residence), US (Nationality)
Legal Representative:
CHAN Raymond Y (agent), 1050 Oakdale Lane, Arcadia, CA 91006, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200239138 A1 20020516 (WO 0239138)
Application: WO 2000US30594 20001106 (PCT/WO US0030594)
Priority Application: WO 2000US30594 20001106
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G01S-005/02
International Patent Class: G01S-005/08; G01S-013/02; G01C-021/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 20735

English Abstract
A positioning and ground proximity warning method for vehicle includes the steps of outputting global positioning system signals (via 10 in fig. 1) to an integrated positioning/ground proximity warning system processor (60); outputting (via 20) an inertial navigation solution to be integrated processor (60); measuring air pressure and computing barometric measurements which is output to the integrated positioning/ground proximity warning processor (60); measuring time dely between transmission and reception a radio signal from a terrain surface; computing (via 40) radio altitude measurement which is output to the processor (50); accessing a terrain database (50) for obtaining current vehicle position and surrounding terrain height data which is output to the processor (60); and receiving the position, velocity and time information or pseudorange and delta range measurements of the global positioning system, the inertial navigation solution, the radio altitude measurement, and the current vehicle position and surrounding terrain height data and computing optional positioning solution data and optimal ground proximity warning solution data.

French Abstract
Procede d'alerte de localisation et de proximite au sol concu pour un vehicule et consistant a sortir des signaux de systeme de localisation GPS (par 10 dans figure 1) en direction d'un processeur integre (60) de systeme d'alerte de localisation et de proximite au sol, a produire (par

20) une solution de navigation par inertie pour le processeur integre (60), a mesurer la pression de l'air et a calculer des mesures barometriques a transmettre au processeur integre (60), a mesurer le retard entre l'emission et la reception d'un signal radio depuis une surface de terrain, a calculer (par 40) une mesure d'altitude radio transmise au processeur (50), a acceder a une base de donnees de terrain (50) afin d'obtenir des donnees de position actuelle du vehicule et de hauteur de terrain environnant transmises au processeur (60) et a recevoir les informations de position, de vitesse, de temps, ainsi que les mesures de pseudo-distance et de delta-distance du systeme de localisation GPS, la solution de navigation par inertie, la mesure d'altitude radio, les donnees de position actuelle du vehicule et de hauteur de terrain environnant, puis a calculer des donnees de solution de localisation optimum et des donnees de solution de proximite au sol optimum.

Legal Status (Type, Date, Text)
Publication 20020516 A1 With international search report.

Fulltext Availability:
Claims

Claim
... flight control and
management system;
computing and comparing, using said accepted projected flight path, said **vehicle** performance and configuration data from said onboard flight control and management system, and said surrounding terrain data from said terrain **database** , in which when said projected flight path is too close to the terrain, a warning **decision** message is **made** ; and
receiving said warning decision message and said current **vehicle** position, velocity, and attitude information and said surrounding terrain data from said terrain **database** , and said **vehicle** performance and configuration data from said onboard flight control and management system, and computing an...

...flight control and
management system;
computing and comparing, using said accepted projected flight path, said **vehicle** performance and configuration data from said onboard flight control and management system, and said surrounding terrain data from said terrain **database** , in which when said projected flight path is too close to the terrain, a warning **decision** message is **made** ; and
receiving said warning decision message and said current **vehicle** position, velocity, and attitude information and said surrounding terrain data from said terrain **database** , and said **vehicle** performance and configuration data from said onboard flight control and management system, and computing an...

**45/5,K/14 (Item 14 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00800772
**A KNOWLEDGE-ENGINEERING PROTOCOL-SUITE**
**ENSEMBLE DE PROTOCOLES DE GENIE COGNITIF**
Patent Applicant/Assignee:
INSYST LTD, P.O. Box 45179, 91450 Jerusalem, IL, IL (Residence), IL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
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SAREL Shlomo, 151 Ma'aleh, 90634 Michmash, IL, IL (Residence), IL (Nationality), (Designated only for: US)
Legal Representative:
FRIEDMAN Mark M (agent), c/o Castorina, Anthony, 2001 Jefferson Davis Highway, Suite 207, Arlington, VA 22202, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200133501 A1 20010510 (WO 0133501)
Application: WO 2000US28319 20001013 (PCT/WO US0028319)
Priority Application: IL 132663 19991031; US 2000588681 20000607
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06N-005/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 31691

English Abstract
A Knowledge-Engineering Protocol-Suite is presented that generally includes methods and systems, apparatus for search-space organizational validation, and appurtenances for use therewith. The protocol-suite (1/16) includes a search-space organizational validation method (10/1) for synergistically combining knowledge bases of disparate resolution data-sets, such as by actual or simulated integrating of lower resolution expert-experience based model-like templates to higher resolution empirical data-capture dense quantitative search-spaces. Furthermore, from alternative technological vantages, the suite relates to situations where this synergetic combining is beneficially accomplished, such as in control systems, command control systems, command control communications systems, computational apparatus associated with the aforesaid, and to quantitative modeling and measuring tools used therewith. The protocol-suite also includes facile algorithmic tools for use with the method and a process-modeling computer for use in a distributed asynchronous system of modeling computers (1/15).

French Abstract
L'invention concerne un ensemble de protocoles de genie cognitif comprenant generalement des procedes et des systemes, un dispositif de validation d'organisation d'un espace de recherche, et des installations connexes permettant de les utiliser. L'ensemble de protocoles (1/16) comprend un procede de validation d'organisation d'un espace de recherche (10/1) permettant de combiner de maniere synergique, des bases de connaissances d'ensembles de donnees presentant des resolutions

disparates, tel que l'integration reelle ou simulee de gabarits de type modeles expert-experience dans des espaces de recherche quantitatifs denses de saisie de donnees empiriques a resolution plus haute. De plus, selon differents points de vue technologiques avantageux, l'ensemble concerne, d'une part, des situations dans lesquelles la combinaison synergique est realisee de maniere avantageuse, comme dans les systemes de gestion, les systemes de gestion de commande, les systemes de transmission de gestion de commande, les dispositifs de recherche associes a ces derniers, et, d'autre part, un certain nombre d'outils de mesure et de modelisation pouvant etre utilises. L'ensemble de protocoles comprend egalement des outils algorithmiques simples pouvant etre utilises avec ce procede et un ordinateur de modelisation de processus pouvant etre utilise dans un systeme asynchrone reparti d'ordinateurs de modelisation (1/15).

Legal Status (Type, Date, Text)
Publication 20010510 A1 With international search report.
Publication 20010510 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Claims

Claim
... in either an automated mode or in a human decision and intervention mode. In the **auto - mode** , Adam **analyzes** data
from the engineering and manufacturing **database** point of view of its internal Empirical Model.... The process of updating the **decision making**
model is called Empirical Control (empowered by a dynamic
102
multidimensional learning model). The Eve performs automatic control, optimization, and **troubleshooting** at the equipment level like Adam performs these functions at the global process level and...

**45/5,K/17 (Item 17 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00793302
**APPARATUS FOR VEHICLE INTERNETWORKS**
**APPAREIL POUR INTERRESEAUX DANS UN VEHICULE**
Patent Applicant/Assignee:
SENSORIA CORPORATION, Suite 100, 200 Corporate Pointe, Culver City, CA 90230, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
GELVIN David C, 2320 Willow Brook Road, Escondido, CA 92029, US, US (Residence), US (Nationality), (Designated only for: US)
GIROD Lewis D, 4049 Cumberland Avenue, Los Angeles, CA 90027, US, US (Residence), US (Nationality), (Designated only for: US)
KAISER William J, 15520 Casiano Court, Los Angeles, CA 90077, US, US (Residence), US (Nationality), (Designated only for: US)
POTTIE Gregory J, 12548 Brooklake Street, Los Angeles, CA 90066, US, US (Residence), US (Nationality), (Designated only for: US)
NEWBERG Frederic, 11944 Avenida Sivrita, San Diego, CA 92128, US, US

(Residence), SE (Nationality), (Designated only for: US)
Legal Representative:
GREGORY Richard L Jr (agent), Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304-1050, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200126332 A2-A3 20010412 (WO 0126332)
Application: WO 2000US27602 20001005 (PCT/WO US0027602)
Priority Application: US 99158013 19991006; US 99170865 19991215; US 2000208397 20000530; US 2000210296 20000608; US 2000684706 20001004; US 2000684565 20001004; US 2000685020 20001004; US 2000685019 20001004; US 2000684387 20001004; US 2000684490 20001004; US 2000684742 20001004; US 2000680550 20001004; US 2000685018 20001004; US 2000684388 20001004; US 2000684162 20001004; US 2000680608 20001004
Parent Application/Grant:
Related by Continuation to: US 99158013 19991006 (CON); US 99170865 19991215 (CON); US 2000208397 20000530 (CON); US 2000210296 20000608 (CON); US 2000684706 20001004 (CON); US 2000684565 20001004 (CON); US 2000685020 20001004 (CON); US 2000685019 20001004 (CON); US 2000684387 20001004 (CON); US 2000684490 20001004 (CON); US 2000684742 20001004 (CON); US 2000680550 20001004 (CON); US 2000685018 20001004 (CON); US 2000684388 20001004 (CON); US 2000684162 20001004 (CON); US 2000680608 20001004 (CON)
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-029/06
International Patent Class: H04L-012/28
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 22301

English Abstract
Vehicle internetworks provide for communications among diverse electronic devices within a vehicle, and for communications among these devices and networks external to the vehicle. The vehicle internetwork comprises specific devices, software, and protocols, and provides for security for essential vehicle functions and data communications, ease of integration of new devices and services to the vehicle internetwork, and ease of addition of services linking the vehicle to external networks such as the Internet.

French Abstract
L'invention concerne des interreseaux pour vehicules assurant une liaison entre differents dispositifs electroniques installes dans un vehicule et une liaison entre ces dispositifs et des reseaux externes. L'interreseau de cette invention est equipe de dispositifs specifiques, d'un logiciel et de protocoles et garantit la securite des fonctions essentielles du vehicule et de la communication de donnees, une integration plus aisee des nouveaux dispositifs et des services a l'interreseau ainsi que l'apport de nouveaux services reliant le vehicule a des reseaux externes

tels qu'Internet.

Legal Status (Type, Date, Text)
Publication 20010412 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010628 Request for preliminary examination prior to end of 19th month from priority date except in: ZA,ZW
Search Rpt 20020321 Late publication of international search report
Republication 20020321 A3 With international search report.
Fulltext Availability:
Claims

Claim
... code, control, and security ftinctions, wherein data includes signals, io wherein code includes signal processing, **decision support** , and **database** elements, and wherein control includes operation of the plurality of network elements.

60 The **vehicle** internetwork of claim 1, wherein the plurality of network
elements comprise a plurality of network...

**50/5,K/15 (Item 15 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00813253 **Image available**

**METHOD FOR TRANSPORTING PHYSICAL OBJECTS, TRANSPORTATION SYSTEM AND TRANSPORTATION MEANS**

**PROCEDE DE TRANSPORT D'OBJETS PHYSIQUES, SYSTEME DE TRANSPORT ET MOYEN DE TRANSPORT**

Patent Applicant/Assignee:
TELEFONAKTIEBOLAGET LM ERICSSON (publ), S-126 25 Stockholm, SE, SE (Residence), SE (Nationality)
Inventor(s):
HAMELEERS Heino, Loysonstr. 8, NL-6471 VN Kerkrade, NL,
HUNDSCHEIDT Frank, Spiesstraat 63, NL-6463 BK Kerkrade, NL,
Legal Representative:
MOHSLER Gabriele (agent), Ericsson Eurolab Deutschland GmbH, Ericsson Allee 1, 52134 Herzogenrath, DE,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200146877 A1 20010628 (WO 0146877)
Application: WO 2000EP11408 20001116 (PCT/WO EP0011408)
Priority Application: EP 99125394 19991220
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/60**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 10296

English Abstract
The invention relates to a method for transporting physical objects, wherein at least one physical object is transported from a sending station to a receiving station, wherein the transport occurs through at least one physical router, wherein the physical router executes a decision about further parameters of transport to another physical router or to the receiving station. According to the invention information for handling and moving the physical object is generated and transferred to a logical node, wherein the information is used to handle and move the physical packets according to a handling and moving of packets in a telecommunication protocol and wherein the logical node transfers the decision to the sending station and/or at least one physical router.

French Abstract
L'invention concerne un procede de transport d'objets physiques, selon lequel au moins un objet physique est transporte d'une station d'emission a une station de reception. Selon ce procede, le transport se produit au moins par un routeur physique, ce dernier executant une decision concernant d'autres parametres de transport vers un autre routeur

physique ou la station de reception. Selon l'invention, les informations permettant de manipuler et de deplacer l'objet physique sont generees et transferees vers un noeud logique. Ces informations sont utilisees pour manipuler et deplacer les paquets physiques selon un procede de manipulation et de deplacement de paquets dans un protocole de telecommunication et selon lequel le noeud logique transfere la decision vers la station emettrice et/ou au moins un routeur physique.

Legal Status (Type, Date, Text)
Publication 20010628 A1 With international search report.
Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... to the ICMP message. This information may then be used as input to a knowledge **database** (artificial intelligence) in order to **make** new **decisions** (e.g. new muting decisions). This may e.g. be used when a **truck** gets stuck due to an accident. The knowledge **database** may use the cause of the problem (e.g. retrieved via a board computer and...

**50/5,K/16 (Item 16 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00507934 **Image available**
**INFORMATION PLATFORM**
**PLATE-FORME DE DONNEES**
Patent Applicant/Assignee:
AENEID CORPORATION,
Inventor(s):
AINSBURY Robert D,
AL HUSSEIN Hussein K,
HINNANT Michael C,
LAHHAM Muwaffaq M,
LUDIN Stephen L,
PUTTERMAN Daniel S,
SHOTTON Frederick R,
TEJADA Wilfredo M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9939286 A1 19990805
Application: WO 99US2127 19990128 (PCT/WO US9902127)
Priority Application: US 9816758 19980130
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: **G06F-017/30**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 26502

English Abstract
An information platform automates the collection of data, provides a method for organizing the library of information and provides analysis using multiple content-types, thereby providing a user with a market understanding necessary to execute rapid and knowledgeable decision making. The information platform collects and integrates data, observations and intelligence; provides controls for multiple methods of information navigation and analysis; and allows details to be digested in the context of other data, regardless of its type. The information platform is a client/server implementation that is subdivided into four major sections, including: (1) Data Retrieval, which provides a sophisticated catalog for finding internal and external information and collection agents which retrieve specific information without user intervention; (2) Data classification and Storage which handles the storage of the information once it has been gathered from a source; (3) Information Browsing, Query, Analysis, and Report Creation which provides information browsing, reporting, and analysis tools; and (4) Desktop Integration where the information platform takes information from a wide variety of formats (HTML, text, spreadsheet) and combines them all into a single format (HTML, text, spreadsheet).

French Abstract
L'invention concerne une plate-forme de donnees qui automatise la collecte de donnees, fournit un procede d'organisation de la banque de donnees et execute une analyse utilisant des types multiples de contenu, fournissant ainsi a l'utilisateur la connaissance de marche necessaire pour une prise de decision rapide et informee. La plate-forme de donnees collecte et integre des donnees, des observations et des informations, fournit des commandes pour de multiples procedes d'exploration et d'analyse, et permet l'assimilation des details dans le contexte d'autres donnees independamment du type de donnees. La plate-forme de donnees est une application client/serveur subdivisee en quatre sections principales, comprenant: (1) la Recuperation des Donnees, qui comprend un catalogue sophistique permettant des trouver l'information interne et externe et des agents de collecte de donnees qui recuperent une information specifique sans intervention de l'utilisateur; (2) la Classification et la Memorisation des Donnees qui gere la memorisation de l'information une fois qu'elle a ete rassemblee dans une source; (3) l'Exploration de Donnees, Demande, Analyse et Creation de Rapport, qui fournit des outils d'exploration, de presentation et d'analyse; et (4) Integration Terminal de Bureau, dans laquelle la plate-forme de donnees extrait l'information dans un large eventail de formats (HTML, texte,, tableur) et la combine dans un format unique (HTML, texte, tableur).

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... a single user evaluation version.

Implementation of a disconnected (i.e. use while on a **airplane** ) model is
complex and can be time consuming.

Profiles
Users
The broad base of users of the information platform are business **decision makers** who currently collect, maintain, and utilize

information from internal and external resources. These resources include, but are not limited to, documentation and **databases** , marketing materials, financial data, subscription and professional information services information, Internet & Intranet information, and press...
?

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File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200467
         (c) 2004  Thomson Derwent

Set     Items   Description
S1     368204   ADAPT? OR ADAPTI? OR ADAPTS
S2        756   S1(2N)(LEARN??? ? OR TRAIN? OR KNOWLEDGE?)
S3       3370   KNOWLEDGEBASE? OR KNOWLEDGE()BASE? ?
S4     305548   DOMAIN? ? OR REPOSITOR? OR FILE OR FILES OR ARCHIV? OR DEP-
            OSITORY? OR DEPOSITORI? OR COLLECTION? ? OR LIBRAR?
S5      54984   S4(2N)(KNOWLEDGE? OR DATA OR INFORMATION?)
S6     113658   DATABASE? OR DATASET? OR DATABANK? OR DB OR DATAFILE? OR D-
            ATALIBRAR? OR DATACOLLECTION? OR DATASYSTEM?
S7      68745   DATA()(BASE? ? OR SET? ? OR BANK? ? OR SYSTEM? ?)
S8    4461520   PERFORM? OR HEALTH? OR STATUS? OR CONDITION? ? OR MODE OR -
            MODES OR STATE OR STATES
S9      78225   S8(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ? OR C-
            HEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? OR S-
            URVEY?)
S10     54389   S8(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR ASSESS?
             OR EVALUAT? OR APPRAIS? OR TRACK?)
S11      2510   TROUBLESHOOT? OR TROUBLE()SHOOT? OR BIST OR SELFTEST? OR S-
            ELFDIAGNOS? OR SELFCHECK? OR SELFCHEQ?
S12      1018   (PREVENTATIVE? OR PREVENTIVE?)(2N)(MAINTENANCE? OR REPAIR?
            OR REPARAT? OR SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S13         1   DECISIONMAK?
S14    589160   DECISION? OR RECOMMEND? OR SUGGEST? OR ACTION?
S15     32009   S14(3N)(MAK??? ? OR MADE OR DEVELOP? OR CREAT? OR PROD? ? -
            OR PRODUCE? ? OR PRODUCTION? OR PRODUCING OR GENERAT???? ?)
S16      1968   S14(3N)(FORMULAT? OR DERIV? OR PROPOS? OR ADVIS??? ? OR AD-
            VICE?)
S17      1972   S14(3N)(CREAT???? ? OR DERIV???? ?)
S18       673   DECISION?(3N)(RECOMMEND? OR SUGGEST? OR SUPPORT?)
S19       160   FLEET(1N)MANAG????? ?
S20   1156412   VEHICLE? OR VEHICUL?
S21    546354   AIRCRAFT? OR AIR()CRAFT? ? OR PLANE OR PLANES OR SST OR (S-
            UPERSONIC OR SUPER()SONIC)()TRANSPORT? ? OR AIRPLANE? ? OR AE-
            ROPLANE? ?
S22     12295   SPACECRAFT? OR SPACE()(CRAFT? ? OR SHUTTLE? ? OR SHIP? ?) -
            OR SPACESHUTTLE? OR JETPLANE? OR ROCKETSHIP? OR (ROCKET OR SP-
            ACE)()SHIP? ?
S23      8707   ROCKETPLANE? OR HELICOPTER? OR COPTER? ? OR WARPLANE? OR B-
            ATTLEPLANE? OR COMBATPLANE?
S24    492969   CAR OR CARS OR AUTO OR AUTOS OR AUTOMOBILE? OR MOTORCAR? ?
            OR MOTOCAR? ? OR AUTOCAR? ? OR TRUCK? ? OR TRAILERTRUCK?
S25       425   TRACTORTRAILER? OR SEMITRAILER?
S26    439691   TANK? ? OR (ARMOR?? ? OR ARMOUR?? ?)()PERSONNEL()CARRIER? ?
             OR APC OR APCS
S27       130   DECISION?(3N)TOOL? ?
S28     20836   S20:S26(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ?
            OR CHEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? -
            OR SURVEY?)
S29     21362   S20:S26(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR A-
            SSESS? OR EVALUAT? OR APPRAIS? OR TRACK?)
S30     11860   S20:S26(2N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR SERVIC?-
            ?? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S31        13   S2 AND (S13 OR S15:S18 OR S27)
S32        13   IDPAT (sorted in duplicate/non-duplicate order)
S33        13   IDPAT (primary/non-duplicate records only)
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S34      1394   (S3 OR S5:S7) AND (S13 OR S15:S18 OR S27)
S35       115   S34 AND S9:S12
S36        84   S34 AND S19:S26
S37        12   S35 AND S36
S38    296484   IC='G06F-017'
S39     90115   IC='G06F-011'
S40      8975   IC='G06F-015/18'
S41     15309   IC='G05B-013'
S42        34   S36 AND S38:S41
S43        15   S34 AND S28:S30
S44        46   (S37 OR S42:S43) NOT S33
S45        46   IDPAT (sorted in duplicate/non-duplicate order)
S46        46   IDPAT (primary/non-duplicate records only)
```

**46/9/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX
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016104332 **Image available**
WPI Acc No: 2004-262208/200425
XRPX Acc No: N04-208365

**Information processor for evaluating production planning of e.g. motor** vehicle **, calculates occupation rate of time for production process of each product, based on which profit for each product is calculated**

Patent Assignee: SHIN NITTETSU JOHO TSUSHIN SYSTEM KK (SHIN-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| JP 2004078273 | A | 20040311 | JP 2002233472 | A | 20020809 | 200425 | B |

Priority Applications (No Type Date): JP 2002233472 A 20020809
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| JP 2004078273 | A | | 15 | G06F-017/60 | |

Abstract (Basic): JP 2004078273 A

NOVELTY - An acquisition unit (103) calculates the occupation rate of the time for production process of each product, based on which a profit acquisition unit (105) allocates and calculates profits for each product. The output units (108,123) output the calculated profit information.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) information processing system;
(2) production management support method;
(3) production management support program;
(4) computer readable storage medium for storing production management support program.

USE - For evaluating production planning of motor **vehicle** and household appliances.

ADVANTAGE - Provides information processor which assists **decision** of **production** planning, and evaluates the actual production of a product clearly based on the profits.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the production evaluation support apparatus. (Drawing includes non-English language text).

production evaluation support apparatus (100)
occupation rate acquisition unit (103)
profit acquisition unit (105)
output units (108,123)
**database** (121)

pp; 15 DwgNo 1/10
Title Terms: INFORMATION; PROCESSOR; EVALUATE; PRODUCE; PLAN; MOTOR; **VEHICLE** ; CALCULATE; OCCUPY; RATE; TIME; PRODUCE; PROCESS; PRODUCT; BASED ; PROFIT; PRODUCT; CALCULATE
Derwent Class: T01; T06
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): G05B-019/418
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A1; T01-J05A2A; T01-N01A2E; T01-S03; T06-A04B7

**46/9/6 (Item 6 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015966631 **Image available**
WPI Acc No: 2004-124472/200413
XRPX Acc No: N04-099579
**Fault location device for complex systems e.g.** helicopter **, has** database **with** diagnostic **rules, fault detection means and central processing unit for analyzing detected fault information in conjunction with rules to output result**
Patent Assignee: EUROCOPTER (EURO-N); EUROCOPTER SAS (EURO-N); LONGERE J (LONG-I)
Inventor: LONGERE J; LONGERE J Y
Number of Countries: 032 Number of Patents: 003
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| EP 1376362 | A1 | 20040102 | EP 2003291424 | A | 20030613 | 200413 | B |
| FR 2841340 | A1 | 20031226 | FR 20027553 | A | 20020619 | 200413 | |
| US 20040153864 | A1 | 20040805 | US 2003463863 | A | 20030618 | 200452 | |

Priority Applications (No Type Date): FR 20027553 A 20020619
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| EP 1376362 | A1 | F | 13 | G06F-011/25 | |
| | Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR | | | | |
| FR 2841340 | A1 | | | G01R-031/28 | |
| US 20040153864 | A1 | | | H04B-001/74 | |

Abstract (Basic): EP 1376362 A1
NOVELTY - The fault location device comprises a **database** (2) with diagnostic rules, detection means (3) for detection of a possible system failure and for supplying data to aid failure cause determination, a CPU (4) for applying diagnostic rules to the detected possible failures to determine possible element(s) causing the failure and the probability that the element(s) are the failure cause, and a display for results output.
USE - Fault location in complex systems, e.g. in **vehicles** or **aircraft** .
ADVANTAGE - The inventive device presents fault location information together with a probability that components or elements are the source of a failure. This allows an operator to **make** an informed **decision** .
DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the fault location device.
**database** (2)
fault detection means (3)

central processing unit (4)
display (7)
memory (16,17)
pp; 13 DwgNo 1/1
Title Terms: FAULT; LOCATE; DEVICE; COMPLEX; SYSTEM; **HELICOPTER** ; **DATABASE** ; DIAGNOSE; RULE; FAULT; DETECT; CENTRAL; PROCESS; UNIT; DETECT; FAULT; INFORMATION; CONJUNCTION; RULE; OUTPUT; RESULT
Derwent Class: T01; V04; W06; X22
International Patent Class (Main): G01R-031/28; **G06F-011/25** ; H04B-001/74
International Patent Class (Additional): **G06F-011/30** ; **G06F-017/18**
File Segment: EPI
Manual Codes (EPI/S-X): T01-G08; T01-J07D1; T01-J08F; V04-V09; W06-B01B5; W06-B05; X22-E10; X22-X06

**46/9/8 (Item 8 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015837663 **Image available**
WPI Acc No: 2003-899867/200382
Related WPI Acc No: 2003-102552
XRPX Acc No: N03-718291
Analyzing aircraft **data for** preventive maintenance **, by combining performance indication and notification, associated with maintenance alert, into an electronic report that needs for** preventive aircraft maintenance
Patent Assignee: PT HOLDINGS LTD (HOLD-N)
Inventor: BETTERS W B; LIVINGSTON R W; WHETSELL B W
Number of Countries: 001 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---|---|---|---|---|---|---|
| US 20030195678 | A1 | 20031016 | US 2001821842 | A | 20010328 | 200382 B |
| | | | US 2003437810 | A | 20030514 | |
| US 6732027 | B2 | 20040504 | US 2001821842 | A | 20010328 | 200430 |
| | | | US 2003437810 | A | 20030514 | |

Priority Applications (No Type Date): US 2001821842 A 20010328; US 2003437810 A 20030514
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20030195678 | A1 | | 18 | G06F-019/00 | Cont of application US 2001821842<br>Cont of patent US 6567729 |
| US 6732027 | B2 | | | G06F-007/00 | Cont of application US 2001821842<br>Cont of patent US 6567729 |

Abstract (Basic): US 20030195678 A1
NOVELTY - A notification having a status level indicative of the maintenance condition of the source is then associated with the maintenance alert. The performance indication and the notification are then combined into an electronic report that needs for **preventive aircraft maintenance** . The report is then delivered to a predetermined location for retrieval by a consumer.
DETAILED DESCRIPTION - An **aircraft dataset** is parsed into at least one data field, after which a threshold is defined for the **dataset** by determining an acceptable range of the values for the **dataset** within the field. A dynamic trigger is automatically activated to indicate a maintenance alert when the threshold is crossed. A performance indication for at least one operational source is then derived, by determining one or more performance trends of the **dataset**

. INDEPENDENT CLAIMS are also included for the following:
(a) a system for **analyzing aircraft** data for **preventive maintenance** ;
(b) an electronic media; and
(c) a computer program
USE - **Analyzing aircraft** data for **preventive maintenance** .
ADVANTAGE - Provides a more proactive maintenance analysis and real-time reporting of maintenance **decision support** information, in a manner without compromising accuracy.
DESCRIPTION OF DRAWING(S) - The figure shows an overview of the **aircraft** data **analyzing** system.
pp; 18 DwgNo 1/7
Title Terms: **AIRCRAFT** ; DATA; PREVENT; MAINTAIN; COMBINATION; PERFORMANCE; INDICATE; NOTIFICATION; ASSOCIATE; MAINTAIN; ALERT; ELECTRONIC; REPORT; NEED; PREVENT; **AIRCRAFT** ; MAINTAIN
Derwent Class: T01; W06
International Patent Class (Main): G06F-007/00; G06F-019/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A2C; T01-N01A2; T01-S03; W06-B01; W06-B05

**46/9/9 (Item 9 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015768219 **Image available**
WPI Acc No: 2003-830421/200377
Related WPI Acc No: 2003-802198
XRPX Acc No: N03-663521
**Airline routing method for airline carriers, involves determining whether proposed flight assignment meets decision criterion describing requirements for aircraft routing, and optimizing it to generate flight assignment plan**
Patent Assignee: CLARKE M D D (CLAR-I); SMITH B C (SMIT-I)
Inventor: CLARKE M D D; SMITH B C
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20030167109 | A1 | 20030904 | US 200284313 | A | 20020228 | 200377 | B |

Priority Applications (No Type Date): US 200284313 A 20020228
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20030167109 | A1 | | 14 | G06F-017/00 | |

Abstract (Basic): US 20030167109 A1
NOVELTY - The method involves generating an **aircraft** routing proposal based on information about possible flight of an **aircraft** to determine a proposed flight assignment for the **aircraft** that complies with the information. If the proposed flight assignment does not meet a decision criterion describing requirements for **aircraft** routing, it is optimized to generate a flight assignment plan that meets the decision criterion.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an **aircraft** routing system.
USE - Used for routing **aircrafts** in airline carriers.
ADVANTAGE - The method determines feasible **aircraft** routings over a given time period while considering all operational and maintenance constraints, thus plans can be produced within short time constraints maximizing revenue of the airlines.

DESCRIPTION OF DRAWING(S) - The drawing shows an airline routing system.
Flight management/operations system (102)
Optimization processor (106)
Network (108)
Flight assignment plan **database** (110)
Flight information display system (112)
pp; 14 DwgNo 1/4
Title Terms: AIRLINE; ROUTE; METHOD; AIRLINE; CARRY; DETERMINE; PROPOSED; FLIGHT; ASSIGN; DECIDE; CRITERIA; DESCRIBE; REQUIRE; **AIRCRAFT** ; ROUTE; OPTIMUM; GENERATE; FLIGHT; ASSIGN; PLAN
Derwent Class: T01; W06
International Patent Class (Main): **G06F-017/00**
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A; W06-B02E

**46/9/10 (Item 10 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015739997 **Image available**
WPI Acc No: 2003-802198/200375
Related WPI Acc No: 2003-830421
XRPX Acc No: N03-642888
**Aircraft route and schedule maintenance method, involves determining if routing and scheduling maintenance assignment meet** decision **criterion and** generating **routing and maintenance plans that meets decision criterion**
Patent Assignee: CLARKE M (CLAR-I); NESPOULOUS E (NESP-I); SMITH B C (SMIT-I)
Inventor: CLARKE M; NESPOULOUS E; SMITH B C
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20030167110 | A1 | 20030904 | US 200284313 | A | 20020228 | 200375 | B |
| | | | US 2002270000 | A | 20021015 | | |

Priority Applications (No Type Date): US 2002270000 A 20021015; US 200284313 A 20020228
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20030167110 | A1 | | 17 | G06F-019/00 | CIP of application US 200284313 |

Abstract (Basic): US 20030167110 A1
NOVELTY - The method involves determining a proposed flight and maintenance schedule assignment based on a generated aircraft routing and scheduling proposal. The proposed assignments are checked to determine if they meet a decision criterion describing requirements for routing and scheduling. If the decision criterion is not met the assignments are optimized and corresponding plans are generated so that the criterion is met.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) an apparatus for route and schedule **maintenance** of **aircraft**
(b) a computer readable medium for performing routing and schedule **maintenance** of **aircraft** .
USE - Used for routing and scheduling **maintenance** for **vehicles** .

ADVANTAGE - The optimized routing and scheduling **maintenance**

model maximizes **aircraft** utilization, minimizes the amount of wasted remaining flying time and cycles between maintenance events.

DESCRIPTION OF DRAWING(S) - The drawing shows a network environment subjected to aircraft route and schedule maintenance method.

Route and schedule maintenance system (100)
Fight management/operations system (102)
Optimization processor (106)
Plan and maintenance **database** (108)
Information display system (112)
pp; 17 DwgNo 1/3

Title Terms: AIRCRAFT; ROUTE; SCHEDULE; MAINTAIN; METHOD; DETERMINE; ROUTE; SCHEDULE; MAINTAIN; ASSIGN; DECIDE; CRITERIA; GENERATE; ROUTE; MAINTAIN; PLAN; DECIDE; CRITERIA
Derwent Class: T01; T05
International Patent Class (Main): G06F-019/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A2B; T01-S03; T05-G01; T05-G02A

**46/9/15 (Item 15 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015091375 **Image available**
WPI Acc No: 2003-151893/200315
XRPX Acc No: N03-120014

**Operation effectiveness analyzer for goods conveyance** vehicle **in worksite,** analyzes **positional and** state **information of** vehicle , **stored in** database , **to** produce suggestion **concerning use of** vehicles

Patent Assignee: TOYODA AUTOMATIC LOOM WORKS (TOYX )
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| JP 2002370808 | A | 20021224 | JP 2001313475 | A | 20011011 | 200315 | B |

Priority Applications (No Type Date): JP 2001109836 A 20010409
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| JP 2002370808 | A | | 18 | B65G-001/137 | |

Abstract (Basic): JP 2002370808 A

NOVELTY - The positional information and state information of the conveyance **vehicle** stored in a **database** (22) are analyzed by a preparation unit (25). A **suggestion** preparation unit (26) **produces suggestion** concerning the use of **vehicles** based on **analysis** result.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for goods flow situation monitor apparatus.

USE - Operation effectiveness analyzer for electrically operated goods conveyance **vehicles** , tow **car** , fork lift **truck** used in worksite.

ADVANTAGE - Improves the effectiveness of operation of **vehicles** , thus improves goods flow effectiveness and productivity.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the center apparatus. (Drawing includes non-English language text).

**Database** (22)
Preparation unit (25)
Suggestion preparation unit (26)
pp; 18 DwgNo 4/19

Title Terms: OPERATE; EFFECT; ANALYSE; GOODS; CONVEY; **VEHICLE** ; ANALYSE; POSITION; STATE; INFORMATION; **VEHICLE** ; STORAGE; **DATABASE** ; PRODUCE; **VEHICLE**
Derwent Class: Q35; T06; X22; X25
International Patent Class (Main): B65G-001/137
International Patent Class (Additional): G05B-019/418
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T06-A04B7; X22-P05; X25-F05A

**46/9/19 (Item 19 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014852632 **Image available**
WPI Acc No: 2002-673338/200272
XRPX Acc No: N02-532298
**Remote** car repair **order generation has portable** vehicle **identification number (VIN) scanner, wireless network connections and access to dealer and manufacturer** databases
Patent Assignee: SAGE M (SAGE-I)
Inventor: SAGE M
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20020073000 | A1 | 20020613 | US 2000202315 | A | 20000505 | 200272 | B |
| | | | US 2000736649 | A | 20001213 | | |

Priority Applications (No Type Date): US 2000202315 P 20000505; US 2000736649 A 20001213
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20020073000 | A1 | | 7 | G06F-017/60 | Provisional application US 2000202315 |

Abstract (Basic): US 20020073000 A1

NOVELTY - A portable scanner (100) scans a **vehicle** identification number (VIN) and communicates with a dealer's (DMS) **database** (212) and a manufacturer's **database** (220) via a wireless network server (202). A repair generator, RO (230) searches the **databases** and merges the retrieved information (warranty, owner, etc.) into a report accessed by the portable scanner. The RO **generator** can also **recommend** repairs. Information may be entered into the portable device to update the **databases** and prepare repair orders.

DETAILED DESCRIPTION - An independent claim is also included for a method of performing the scan and transmit/receive **vehicle** information.

USE - The system retrieves **car** information using the VIN, (e.g. warranty, owner, service history and production information) and remotely generates repair orders.

ADVANTAGE - The service writer has comprehensive and ready access to the **vehicle** information and can generate a repair order remotely.

DESCRIPTION OF DRAWING(S) - The drawing shows a networked computer system for generating and remotely displaying a repair order.

Portable scanning device (100)
Wireless local network server (202)
Wireless transceiver (204)
Dealer management system, DMS (210)
Manufacturer's computer system (220)
Repair order generator, RO (230)
pp; 7 DwgNo 2/5

Title Terms: REMOTE; **CAR** ; REPAIR; ORDER; GENERATE; PORTABLE; **VEHICLE** ; IDENTIFY; NUMBER; SCAN; WIRELESS; NETWORK; CONNECT; ACCESS; DEAL; MANUFACTURE
Derwent Class: T01; W05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A2B; T01-J05B4P; W05-D06A; W05-D07D; W05-D08C1

**46/9/21 (Item 21 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014650417 **Image available**
WPI Acc No: 2002-471121/200250
XRPX Acc No: N02-371963
**Data processing system for service and upgrading of** aircraft **, edits attributes of activities stored in memory and groups activities based on edited attributes**
Patent Assignee: BALUNAS E W (BALU-I); SMITH L E (SMIT-I); LOCKHEED MARTIN CORP (LOCK )
Inventor: BALUNAS E W; SMITH L E
Number of Countries: 001 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20020062239 | A1 | 20020523 | US 97812622 | A | 19970307 | 200250 | B |
| US 6609100 | B2 | 20030819 | US 97812622 | A | 19970307 | 200356 | |

Priority Applications (No Type Date): US 97812622 A 19970307
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20020062239 | A1 | | 19 | G06F-017/60 | |
| US 6609100 | B2 | | | G06F-017/60 | |

Abstract (Basic): US 20020062239 A1

NOVELTY - A relational **database** (10) manages data representing several activities and attributes of activities stored in memory. A grouping processor (20) acting as an interface between the **database** and a scheduler application (30) edits the attributes and groups the activities based on edited attributed stored in the memory.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for data processing system operation method.

USE - For processing data representing schedule or plan for service and upgrading of **aircraft** .

ADVANTAGE - Provides a high degree of user interaction and maintains a high degree of flexibility and applicability to a variety of complex planning tasks without requiring significant program alteration other than customization of user interface screens. The alteration of data can be performed simply and data presentation along with the list of other data can be provided to the user in a serial fashion to facilitate user interaction and **decision making** in the **development** of a scheduling plan.

DESCRIPTION OF DRAWING(S) - The figure shows the high level block diagram of the scheduling system.

Relational **database** (20) Grouping processor (10)
Scheduler application (30)
pp; 19 DwgNo 1/16

Title Terms: DATA; PROCESS; SYSTEM; SERVICE; UPGRADING; **AIRCRAFT** ; EDIT; ATTRIBUTE; ACTIVE; STORAGE; MEMORY; GROUP; ACTIVE; BASED; EDIT; ATTRIBUTE
Derwent Class: T01

International Patent Class (Main): **G06F-017/60**
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05A2B; T01-J05B4B
? t46/9/28-29,36-37

**46/9/28 (Item 28 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013992818 **Image available**
WPI Acc No: 2001-477033/200152
Related WPI Acc No: 2001-477032
XRPX Acc No: N01-353113
**Information accessing system for providing** aircraft **engine inspection/ repair services, updates centralized** database **with inspection information received from internal user**
Patent Assignee: GENERAL ELECTRIC CO (GENE )
Inventor: NELSON J R
Number of Countries: 030 Number of Patents: 005
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| EP 1115081 | A2 | 20010711 | EP 2001300091 | A | 20010105 | 200152 | B |
| CA 2330216 | A1 | 20010707 | CA 2330216 | A | 20010104 | 200152 | |
| BR 200100152 | A | 20010828 | BR 2001152 | A | 20010108 | 200158 | |
| JP 2001265893 | A | 20010928 | JP 2001298 | A | 20010105 | 200172 | |
| US 6487479 | B1 | 20021126 | US 2000175178 | P | 20000107 | 200281 | |
| | | | US 2000724123 | A | 20001128 | | |

Priority Applications (No Type Date): US 2000724123 A 20001128; US 2000175178 P 20000107
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| EP 1115081 | A2 | E | 18 | G06F-017/60 | |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | | |
| CA 2330216 | A1 | E | | G06F-017/30 | |
| BR 200100152 | A | | | B64F-005/00 | |
| JP 2001265893 | A | | 46 | G06F-017/60 | |
| US 6487479 | B1 | | | G06F-019/00 | Provisional application US 2000175178 |

Abstract (Basic): EP 1115081 A2

NOVELTY - A server (14) receives inspection information from the internal user through the client system (16) and updates the centralized **database** with the received information. The server retrieves the inspection information from the centralized **database** and provides it to the external customer in response to the inquiry from the customer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method for accessing inspection and repair information by internal users and external customers.

USE - For providing turbine engine **aircraft** components **repair** /inspection services to customers.

ADVANTAGE - Since the server is configured with centralized **databases** , the internal users and external customers are allowed to access and store the information regarding inspections/repairs thereby allowing the customers to **make** a **decision** regarding repair cost and the damaged portions to be replaced.

DESCRIPTION OF DRAWING(S) - The figure shows the aviation components and repair system.

Server (14)

Client system (16)
pp; 18 DwgNo 1/9
Title Terms: INFORMATION; ACCESS; SYSTEM; **AIRCRAFT** ; ENGINE; INSPECT; REPAIR; SERVICE; UPDATE; CENTRE; **DATABASE** ; INSPECT; INFORMATION; RECEIVE; INTERNAL; USER
Derwent Class: T01; W06
International Patent Class (Main): B64F-005/00; **G06F-017/30** ; **G06F-017/60** ; G06F-019/00
International Patent Class (Additional): B64D-047/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-H07C3; T01-H07C5; T01-J05B4P; W06-B08

**46/9/29 (Item 29 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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013717411 **Image available**
WPI Acc No: 2001-201635/200120
XRPX Acc No: N01-143736
**Formation of enhanced version of belief network used for** trouble shooting **purposes, involves selecting network node having retained graph with best score**
Patent Assignee: MICROSOFT CORP (MICT )
Inventor: CHICKERING D M; HECKERMAN D; MEEK C A
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 6154736 | A | 20001128 | US 97902759 | A | 19970730 | 200120 | B |

Priority Applications (No Type Date): US 97902759 A 19970730
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 6154736 | A | | 30 | G06N-005/00 | |

Abstract (Basic): US 6154736 A
NOVELTY - The network node having retained graph with best score among the defined retained graphs, is determined. The retained graph of determined node is stored for use in accessing the probability of node. The initial version of belief network is adjusted using the stored graph, to create enhanced version of network to be stored in data structure and for subsequent use in assisting user during **decision - making** .
DETAILED DESCRIPTION - The initial version of belief network comprises network nodes with probability stored in decision graph data structure. The belief network probabilistically relates different input variables to different output decisions. A **database** containing cases of read world instances of **decision - making** process, is accessed in each node. The value for graph node contained in the cases, is counted to define leaf graph node in the graph data structure. Then, complete split, binary split and merge are performed on leaf graph node and score of each graph is judged and graph with highest score is defined as the retained graph. INDEPENDENT CLAIMS are also included for the following:
(a) method for performing probabilistic inference in computer system;
(b) method for scoring belief network;
(c) computer readable medium;
(d) method for improving accuracy of belief network;
(e) computer system;

(f) method for assisting user in **decision - making**

USE - For forming enhanced version of belief network used for assisting user in **decision - making** and also for **trouble shooting automobile** problems. In **decision support** systems for predicting whether user would like to visit website on the Internet based on various characteristics of user.

ADVANTAGE - Improves storage of probabilities in belief network.

DESCRIPTION OF DRAWING(S) - The figure shows the belief network for **trouble shooting automobile** problems.

pp; 30 DwgNo 2/10

Title Terms: FORMATION; ENHANCE; VERSION; NETWORK; TROUBLE; SHOOT; PURPOSE; SELECT; NETWORK; NODE; RETAIN; GRAPH; SCORE

Derwent Class: T01

International Patent Class (Main): G06N-005/00

International Patent Class (Additional): G06N-005/02

File Segment: EPI

Manual Codes (EPI/S-X): T01-H07C5E; T01-J05B4P; T01-J07A3; T01-J16C; T01-S03

**46/9/36 (Item 36 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011704373 **Image available**

WPI Acc No: 1998-121283/199812

XRPX Acc No: N98-096400

Monitoring **device for physiological** condition **of e.g. machine or power plant operator, or land, sea or air** vehicle **driver - has number of physiological function sensors attached to body and provides measurements to processing system which compares them with stored data measurements and outputs warning when individual e.g. falls asleep**

Patent Assignee: WADEWITZ R (WADE-I)

Inventor: WADEWITZ R

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| DE 19631589 | A1 | 19980212 | DE 1031589 | A | 19960805 | 199812 | B |

Priority Applications (No Type Date): DE 1031589 A 19960805

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| DE 19631589 | A1 | | 5 | G08B-031/00 | |

Abstract (Basic): DE 19631589 A

The monitoring device (8) has a number of sensors attached to an individual person. The sensors measure brain wave activity (2), eyelid movement (3), blood oxygen content (4), blood pressure and pulse rate (5) and respiratory rate (6).

The sensor outputs are processed using information from a **data base** that allows **decisions** to be **made** and outputs generated to a display and acoustic warning system. The **database** contains data related to physiological conditions and in chronological order.

ADVANTAGE - Issues early warning of loss of functional performance, e.g. concentration loss.

Dwg.1/3

Title Terms: MONITOR; DEVICE; PHYSIOLOGICAL; CONDITION; MACHINE; POWER; PLANT; OPERATE; LAND; SEA; AIR; **VEHICLE** ; DRIVE; NUMBER; PHYSIOLOGICAL; FUNCTION; SENSE; ATTACH; BODY; MEASURE; PROCESS; SYSTEM; COMPARE; STORAGE

; DATA; MEASURE; OUTPUT; WARNING; INDIVIDUAL; FALL; SLEEP
Derwent Class: Q13; Q68; S05; W05; W06; X22
International Patent Class (Main): G08B-031/00
International Patent Class (Additional): B60K-028/00; F16P-003/00; G08B-021/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): S05-D01; W05-A; W05-D04; W06-B01B; W06-C01B; X22-E04

**46/9/37 (Item 37 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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011310875 **Image available**
WPI Acc No: 1997-288780/199726
Related WPI Acc No: 1985-297979; 1987-350115; 1994-217289; 1995-193699; 1996-308161; 1997-288782; 1997-350474; 1997-384874; 1998-260925; 2000-038312
XRPX Acc No: N97-239200

**On-board measurement of** vehicle **haulage parameters - has processor and memory, input device for generating** vehicle **operator identification,** vehicle **location sensor, and processor for sending location and operator identification to memory for storage**

Patent Assignee: HAGENBUCH L G (HAGE-I)
Inventor: HAGENBUCH L G
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---|---|---|---|---|---|---|
| US 5631832 | A | 19970520 | US 84604739 | A | 19840427 | 199726 B |
| | | | US 85717042 | A | 19850401 | |
| | | | US 86874273 | A | 19860613 | |
| | | | US 89351179 | A | 19890512 | |
| | | | US 92964126 | A | 19921020 | |
| | | | US 93102531 | A | 19930804 | |
| | | | US 94206531 | A | 19940304 | |
| | | | US 95403069 | A | 19950313 | |
| | | | US 95473751 | A | 19950607 | |

Priority Applications (No Type Date): US 89351179 A 19890512; US 84604739 A 19840427; US 85717042 A 19850401; US 86874273 A 19860613; US 92964126 A 19921020; US 93102531 A 19930804; US 94206531 A 19940304; US 95403069 A 19950313; US 95473751 A 19950607
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 5631832 | A | | 71 | G06F-017/40 | CIP of application US 84604739 |
| | | | | | CIP of application US 85717042 |
| | | | | | CIP of application US 86874273 |
| | | | | | Cont of application US 89351179 |
| | | | | | Cont of application US 92964126 |
| | | | | | Cont of application US 93102531 |
| | | | | | Cont of application US 94206531 |
| | | | | | Cont of application US 95403069 |
| | | | | | CIP of patent US 4630227 |
| | | | | | CIP of patent US 4831539 |
| | | | | | CIP of patent US 4839835 |
| | | | | | Cont of patent US 5327347 |
| | | | | | Cont of patent US 5416706 |

Abstract (Basic): US 5631832 A
The appts. for processing data derived from the weight of a load

carried by a haulage **vehicle** includes a sensor processing unit for receiving data from pressure transducers and, in response, detecting a change in the weight of the load and formulating data indicative of hauling conditions of the **vehicle** . Pressure data and indications of changes in the data are used by the sensor processing unit to establish a historical **database** from which various hauling parameters may be monitored either by the sensor processing unit itself or by a remotely located central station linked to the on-board processing unit.

Preferably, additional sensors are added to the **vehicle** to provide additional data that, when taken with the weight data, provides a historical **database** which more completely reflects **vehicle** operating conditions. The accumulated data of the historical **database** are used to **formulate** management **decisions** directed to the future operation of the **vehicle** and with this operation then intended to achieve a predetermined management goal.

ADVANTAGE - Accurately measures loading and hauling parameters of haulage **vehicle** . Increases efficiency of loading and hauling and provides permanent record of **vehicle** use, and conditions under which it operates.

Dwg.12/27

Title Terms: BOARD; MEASURE; **VEHICLE** ; HAUL; PARAMETER; PROCESSOR; MEMORY; INPUT; DEVICE; GENERATE; **VEHICLE** ; OPERATE; IDENTIFY; **VEHICLE** ; LOCATE; SENSE; PROCESSOR; SEND; LOCATE; OPERATE; IDENTIFY; MEMORY; STORAGE

Derwent Class: T01

International Patent Class (Main): **G06F-017/40**

File Segment: EPI

Manual Codes (EPI/S-X): T01-J07A

?

? t33/9/2

**33/9/2 (Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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015267714 **Image available**
WPI Acc No: 2003-328643/200331
XRPX Acc No: N03-262824
Adaptive knowledge **management system for online vehicle management service,** develops recommendations **for** supporting decision making **using knowledge database and monitoring vehicle status**
Patent Assignee: HONEYWELL INT INC (HONE )
Inventor: HAIGH K Z; REISING D V C; TASOOJI A
Number of Countries: 028 Number of Patents: 003
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20020184178 | A1 | 20021205 | US 2001874074 | A | 20010604 | 200331 | B |
| WO 2002101555 | A2 | 20021219 | WO 2002US17220 | A | 20020603 | 200331 | |
| EP 1421493 | A2 | 20040526 | EP 2002731995 | A | 20020603 | 200435 | |
| | | | WO 2002US17220 | A | 20020603 | | |

Priority Applications (No Type Date): US 2001874074 A 20010604
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20020184178 | A1 | | 7 | G06F-017/00 | |
| WO 2002101555 | A2 | E | | G06F-011/34 | |
| Designated States (National): CA | | | | | |
| Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR | | | | | |
| EP 1421493 | A2 | E | | G06F-011/25 | Based on patent WO 2002101555 |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR | | | | | |

Abstract (Basic): US 20020184178 A1
NOVELTY - A knowledge database (130) is produced based on the results obtained by analytical and machine learning tools (120). The **recommendations** for **supporting decision making** of user are developed based on the database and monitored vehicle status. The database is accessed based on the responses output by planing module (140) to extract desired knowledge information dealing with current problems.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for **decision making support** method.
USE - For **supporting decision making** of various trouble shooting applications in managing services of aircraft and other transport vehicles. Also for managing repair and maintenance of commercial and military vehicles like tanks, health management using Internet based knowledge assistance.
ADVANTAGE - Ensures exact evaluation and exploration of creative methods in a real time basis by providing online automated recommendation according to the problems.
DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of **adapting knowledge** management system.
Learning tools (120)
Database (130)
Planing modules (140)
pp; 7 DwgNo 1/2
Title Terms: ADAPT; MANAGEMENT; SYSTEM; VEHICLE; MANAGEMENT; SERVICE; DEVELOP; SUPPORT; DECIDE; DATABASE; MONITOR; VEHICLE; STATUS
Derwent Class: T01; W06; W07

International Patent Class (Main): G06F-011/25; G06F-011/34; G06F-017/00
International Patent Class (Additional): G05B-023/02
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B4P; T01-J16C; T01-N02A2; W06-B08; W07-X01
?

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File   6:NTIS 1964-2004/Oct W2
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   2:INSPEC 1969-2004/Oct W3
         (c) 2004 Institution of Electrical Engineers
File   8:Ei Compendex(R) 1970-2004/Oct W3
         (c) 2004 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Oct W3
         (c) 2004 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Sep
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Oct W4
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Sep W4
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep
         (c) 2004 The HW Wilson Co.
File 104:AeroBase 1999-2004/Sep
         (c) 2004 Contains copyrighted material
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Oct 26
         (c) 2004 The Gale Group
File 144:Pascal 1973-2004/Oct W3
         (c) 2004 INIST/CNRS
File 202:Info. Sci. & Tech. Abs. 1966-2004/Sep 09
         (c) 2004 EBSCO Publishing
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
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         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 483:Newspaper Abs Daily 1986-2004/Oct 26
         (c) 2004 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning
File  18:Gale Group F&S Index(R) 1988-2004/Oct 27
         (c) 2004 The Gale Group
File 481:DELPHES Eur Bus 95-2004/Oct W2
         (c) 2004 ACFCI & Chambre CommInd Paris

Set     Items   Description
S1    1177942   ADAPT? OR ADAPTI? OR ADAPTS
S2      24210   S1(2N)(LEARN??? ? OR TRAIN? OR KNOWLEDGE?)
S3     134401   KNOWLEDGEBASE? OR KNOWLEDGE()BASE? ?
S4    2736217   DOMAIN? ? OR REPOSITOR? OR FILE OR FILES OR ARCHIV? OR DEP-
             OSITORY? OR DEPOSITORI? OR COLLECTION? ? OR LIBRAR?
S5     395973   S4(2N)(KNOWLEDGE? OR DATA OR INFORMATION?)
S6     945097   DATABASE? OR DATASET? OR DATABANK? OR DB OR DATAFILE? OR D-
             ATALIBRAR? OR DATACOLLECTION? OR DATASYSTEM?
S7     419486   DATA()(BASE? ? OR SET? ? OR BANK? ? OR SYSTEM? ?)
S8   24106412   PERFORM? OR HEALTH? OR STATUS? OR CONDITION? ? OR MODE OR -
             MODES OR STATE OR STATES
S9     298788   S8(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ? OR C-
             HEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? OR S-
             URVEY?)
S10   1336737   S8(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR ASSESS?
              OR EVALUAT? OR APPRAIS? OR TRACK?)
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S11      24974   TROUBLESHOOT? OR TROUBLE()SHOOT? OR BIST OR SELFTEST? OR S-
                 ELFDIAGNOS? OR SELFCHECK? OR SELFCHEQ?
S12      21672   (PREVENTATIVE? OR PREVENTIVE?)(2N)(MAINTENANCE? OR REPAIR?
                 OR REPARAT? OR SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S13       5787   DECISIONMAK?
S14    7103637   DECISION? OR RECOMMEND? OR SUGGEST? OR ACTION?
S15     562533   S14(3N)(MAK??? ? OR MADE OR DEVELOP? OR CREAT? OR PROD? ? -
                 OR PRODUCE? ? OR PRODUCTION? OR PRODUCING OR GENERAT???? ?)
S16      82897   S14(3N)(FORMULAT? OR DERIV? OR PROPOS? OR ADVIS??? ? OR AD-
                 VICE?)
S17      29998   S14(3N)(CREAT???? ? OR DERIV???? ?)
S18      92302   DECISION?(3N)(RECOMMEND? OR SUGGEST? OR SUPPORT?)
S19       3551   FLEET(1N)MANAG????? ?
S20     964451   VEHICLE? OR VEHICUL?
S21    1613372   AIRCRAFT? OR AIR()CRAFT? ? OR PLANE OR PLANES OR SST OR (S-
                 UPERSONIC OR SUPER()SONIC)()TRANSPORT? ? OR AIRPLANE? ? OR AE-
                 ROPLANE? ?
S22     218658   SPACECRAFT? OR SPACE()(CRAFT? ? OR SHUTTLE? ? OR SHIP? ?) -
                 OR SPACESHUTTLE? OR JETPLANE? OR ROCKETSHIP? OR (ROCKET OR SP-
                 ACE)()SHIP? ?
S23     119741   ROCKETPLANE? OR HELICOPTER? OR COPTER? ? OR WARPLANE? OR B-
                 ATTLEPLANE? OR COMBATPLANE?
S24    1302733   CAR OR CARS OR AUTO OR AUTOS OR AUTOMOBILE? OR MOTORCAR? ?
                 OR MOTOCAR? ? OR AUTOCAR? ? OR TRUCK? ? OR TRAILERTRUCK?
S25       1400   TRACTORTRAILER? OR SEMITRAILER?
S26     240236   TANK? ? OR (ARMOR?? ? OR ARMOUR?? ?)()PERSONNEL()CARRIER? ?
                  OR APC OR APCS
S27      12820   DECISION?(3N)TOOL? ?
S28      34182   S20:S26(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ?
                 OR CHEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? -
                 OR SURVEY?)
S29     131779   S20:S26(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR A-
                 SSESS? OR EVALUAT? OR APPRAIS? OR TRACK?)
S30      74449   S20:S26(2N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR SERVIC?-
                 ?? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S31       1180   S2 AND (S13 OR S15:S18 OR S27)
S32         96   S31 AND S9:S12
S33         86   S31 AND S19:S26
S34          0   S31 AND S19
S35          8   S32 AND S33
S36         21   S31 AND (S28:S30 OR S11:S12)
S37      63616   (S3 OR S5:S7) AND (S13 OR S15:S18 OR S27)
S38         12   S36 AND S9:S12
S39       5980   S37 AND S9:S12
S40       2870   S37 AND S19:S26
S41        342   S39 AND S40
S42        442   S37 AND S28:S30
S43         92   S39 AND S28:S30
S44         27   S37 AND S19
S45         76   (S33 OR S41:S42) AND SCHEDUL?
S46        143   S35:S36 OR S38 OR S43:S44
S47         24   S46/2002:2004
S48        119   S46 NOT S47
S49        102   RD (unique items)
S50          2   S45/2002:2004
S51         55   S45 NOT (S50 OR S46)
S52         49   RD (unique items)
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**52/7/6 (Item 6 from file: 6)**
DIALOG(R)File 6:NTIS
(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

1695928 NTIS Accession Number: N93-11941/0
**Advanced Satellite Workstation: An Integrated Workstation Environment for Operational Support of Satellite System Planning and Analysis**
Sutton, S. A.
Aerospace Corp., Los Angeles, CA.
Corp. Source Codes: 000517000; AG214667
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Jan 92 9p
Languages: English
Journal Announcement: GRAI9305; STAR3102
In NASA. Lyndon B. Johnson Space Center, Fifth Annual Workshop on Space Operations Applications and Research (Soar 1991), Volume 1 p 133-141.
NTIS Prices: (Order as N93-11921/2, PC A20/MF A04)
Country of Publication: United States
A prototype integrated environment, the Advanced Satellite Workstation (ASW), is described that has been developed and delivered for evaluation and operator feedback in an operational satellite control center. The current ASW hardware consists of a Sun Workstation and Macintosh II Workstation connected via an ethernet Network Hardware and Software, Laser Disk System, Optical Storage System, and Telemetry **Data File** Interface. The central mission of ASW is to provide an intelligent **decision support** and training environment for operator/analysts of complex systems such as satellites. There have been many workstation implementations recently which incorporate graphical telemetry displays and expert systems. ASW is a considerably broader look at intelligent, integrated environments for **decision support** , based upon the premise that the central features of such an environment are intelligent data access and integrated toolsets. A variety of tools have been constructed in support of this prototype environment including: an automated pass planner for **scheduling** vehicle support activities, architectural modeler for hierarchical simulation and **analysis** of satellite **vehicle** subsystems, multimedia-based information systems that provide an intuitive and easily accessible interface to Orbit Operations Handbook and other relevant support documentation, and a data analysis architecture that integrates user modifiable telemetry display systems, expert systems for background data analysis, and interfaces to the multimedia system via inter-process communication.

**52/7/7 (Item 7 from file: 6)**
DIALOG(R)File 6:NTIS
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1634803 NTIS Accession Number: AD-A245 776/0
**Design of a Prototype Personal Computer** Database **for the Expert System Advisor for** Aircraft Maintenance Scheduling **(ESAAMS)**
(Master's thesis)
Christensen, D. K. ; Pasadilla, M. O.
Naval Postgraduate School, Monterey, CA.
Corp. Source Codes: 019895000; 251450
Dec 91 100p
Languages: English Document Type: Thesis
Journal Announcement: GRAI9210
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road,

Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A02
Country of Publication: United States
The Expert System Advisor for **Aircraft Maintenance Scheduling** (ESAAMS) was originally proposed in 1985 to assist in the **scheduling** of maintenance discrepancy repair in the organizational squadron environment. This dynamic environment produces a continuous flow of maintenance documentation from each maintenance action. Presently there exists no single system for the maintenance expert to retrieve this information to assist him, or her, in the critical maintenance **decision making** process. This theis addresses the design of the ESAAMS **database** which is of paramount importance to the expert system. Research on the use of the Naval Aviation Logistics Data Analysis (NALDA) **database** for a personal computer-based **database** , is documented. Review of other existing naval aviation **database** systems are included in this research. Based on interviews with experienced fleet aviation maintenance managers, a prototype **database** design is produced. This thesis concludes with recommendations for further study based upon the findings of this research.

**52/7/8 (Item 8 from file: 6)**
DIALOG(R)File 6:NTIS
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1582037 NTIS Accession Number: N91-20676/3
**Request Generation 2 Mission Planning and** Scheduling
Greenhut, D. D.
IBM Federal Systems Div., Colorado Springs, CO.
Corp. Source Codes: 101238000; IA038165
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Jan 91 5p
Languages: English
Journal Announcement: GRAI9116; STAR2912
In NASA, Lyndon B. Johnson Space Center, Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90) p 285-289.
NTIS Prices: (Order as N91-20641/7, PC A21/MF A03)
Country of Publication: United States
Request Generation II (ReGe II) is a PC-based prototype **knowledge based** system intented to assist USAF personnel in planning and **scheduling** satellite operations for their Mission Control Complexes (MCC). It aids MCC personnel in **producing** weekly Program **Action** Plans (PAPs) for each of the satellite vehicles an MCC is responsible for monitoring and maintaining. The PAPs are input to the Resource Control Complex (RCC) which **schedules** all satellite support requests for usage of the network.

**52/7/19 (Item 19 from file: 6)**
DIALOG(R)File 6:NTIS
(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

0210509 NTIS Accession Number: AD-698 727/XAB
**A Programmer'S Guide to Vimcos**
Hixon, O. M. ; Marks, B. G. ; Moulenbelt, R. M. ; Valadez, F. D. ; Stanton, R. E.
Rand Corp Santa Monica Calif
Corp. Source Codes: 296600
Report No.: RM-5949-PR
Oct 69 197p
Journal Announcement: USGRDR7004

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A09/MF A01

Contract No.: F44620-67-C-0045

A detailed description and directions for using all the routines of VIMCOS (Vehicle for Investigation of Maintenance Control Systems), an on-line, real-time game simulation model that allows an airbase maintenance controller to select and **schedule** workloads. VIMCOS comprises an **aircraft maintenance** control system and an environmental simulator; both operate within the general computer-support system composed of a supervisor (written in assembler language), functional routines, display routines, information retrieval routines and the **data base** . Together they enable a controller to receiver event notices, get further information, **make scheduling decisions** , and have the system play out the consequences of the decisions. Although written in PL/1, VIMCOS uses the entities-attributes-sets framework of SIMSCRIPT. The entities include aircraft malfunctions (up to 100), aircraft (up to 25), work centers (up to 10), and resources. The basic design concepts of VIMCOS and its operation in a laboratory context are described in AD-698 731. (Author)

? t52/7/23,25,31

**52/7/23 (Item 3 from file: 2)**

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5426482 INSPEC Abstract Number: C9701-7460-001

**Title:** Decision support **for airline system operations control and irregular operations**

Author(s): Mathaisel, D.F.X.

Author Affiliation: Dept. of Aeronaut. & Astronaut., MIT, Cambridge, MA, USA

Journal: Computers & Operations Research vol.23, no.11 p.1083-98

Publisher: Elsevier,

Publication Date: Nov. 1996 Country of Publication: UK

CODEN: CMORAP ISSN: 0305-0548

SICI: 0305-0548(199611)23:11L.1083:DSAS;1-S

Material Identity Number: C175-96009

U.S. Copyright Clearance Center Code: 0305-0548/96/$15.00+0.00

Document Number: S0305-0548(96)00007-X

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: This paper reports on the application of computer science and operations research in a **decision support** system for airline system operations control. The application integrates real-time flight following, **aircraft** routeing, **maintenance** , crew management, gate assignment and flight planning with dynamic aircraft re- **scheduling** and fleet re-routeing algorithms for irregular operations. The system described in this paper was designed and developed on distributed desktop UNIX workstations, networked through Ethernet TCP/IP communications, with an X Windows Motif graphical user interface. The algorithms help flight controllers optimally re-route the aircraft, crews and passengers when operational problems disrupt the execution of the **schedule** plan. The system includes: real-time, interactive, graphical aircraft routeing displays; a rule system which provides warnings of constraint violations and unusual conditions; and the ability to generate "what-if" solution scenarios. The integrated system is demonstrated by simulating a disruption to a planned **schedule** and by using one of the available tools, a network flow algorithm, to determine optimal re-routeing alternatives. (10 Refs)

Subfile: C
Copyright 1996, IEE

**52/7/25 (Item 5 from file: 2)**
DIALOG(R)File 2:INSPEC
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03905044 INSPEC Abstract Number: C91043120
**Title: Integration of** adaptive **machine** learning **and knowledge-based systems for routing and** scheduling **applications**
Author(s): Kadaba, N.; Nygard, K.E.; Juell, P.L.
Author Affiliation: Res. & Dev. Div., United Parcel Service, Danbury, CT, USA
Journal: Expert Systems with Applications vol.2, no.1 p.15-27
Publication Date: 1991 Country of Publication: UK
CODEN: ESAPEH ISSN: 0957-4174
U.S. Copyright Clearance Center Code: 0957-4174/91$3.00+.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The combination of good mathematical models, knowledge-based systems, artificial neural networks, and adaptive genetic searches are shown to be synergistic. Practical applications of this combination produces near-optimal results, which none of the individual methods can produce on its own. The authors discuss XROUTE, a software system that demonstrates an integrated framework for this synergism, in the domain of computer-aided **vehicle** routing and **scheduling** problems. The purpose of this system is to assist researchers and **decision makers** who are applying the mathematical models to a specific routing problem instance by 'tuning' the models to the problem description. The neural network modules store knowledge of previously solved problems and their solutions which facilitates the process of arriving at solutions to new problems. The knowledge-based system stores partial solutions from various knowledge sources, like the neural network and genetic algorithm modules, in the working memory and closely supervises the solution process in heuristic mathematical models. (27 Refs)
Subfile: C

**52/7/31 (Item 11 from file: 2)**
DIALOG(R)File 2:INSPEC
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01766495 INSPEC Abstract Number: C81036198
**Title: A** decision support **system for managing the transportation needs of a large corporation**
Author(s): Gavish, B.
Author Affiliation: Graduate School of Management, Univ. of Rochester, Rochester, NY, USA
Journal: AIIE Transactions vol.13, no.1 p.61-86
Publication Date: March 1981 Country of Publication: USA
CODEN: AIITAJ ISSN: 0569-5554
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: A computer system was developed for: accumulating and forecasting user demand for trips: **scheduling** trip requests to depots and vehicles; serially combining trip requests; shifting excess demand to leased vehicles; deciding on locations from which vehicles should be leased; balancing the load among transportation units; and performing the follow-up, billing, and control on the actual operations. The system

accumulates user demand and actual performance data which is later used for statistical analysis and for driving models which **support decisions** such as fleet sizing, depot location, leasing contract negotiations, pricing policies, manpower planning and **monitoring** , and **vehicle maintenance** policies. The paper describes: the computerized system, the reasons for its development; the basic processes which are part of the system; the heuristics and algorithms used by the system; an efficient method for mapping and computing interlocation distances; an overview of the **data base** management system, which supports the system; and important aspects of the computer implementation. (0 Refs)
Subfile: C
? t52/7/39,48

**52/7/39 (Item 4 from file: 34)**
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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01599538 Genuine Article#: HK383 Number of References: 0
(NO REFS KEYED)
**Title: GRAPHICAL ANALYSIS OF III-COLLECTED INTERVAL DATA FOR A** REPAIRABLE **SYSTEM IN** VEHICLES
Author(s): WANG CJ
Corporate Source: CHRYSLER CORP,12000 CHRYSLER DR,CIMS 4172316/HIGHLAND PK//MI/48288
Journal: PROCEEDINGS ANNUAL RELIABILITY AND MAINTAINABILITY SYMPOSIUM, 1991 , NSYM (JAN 29), P93-97
Language: ENGLISH Document Type: ARTICLE
Abstract: A nonparametric graphical method based on Mean Cumulative Repair Function (MCRF) concept is developed to interpret ill-collected interval data of a **repairable** system in **vehicles** . The data contain only the number of units put into the field per month and the number of repairs per month. No tracking of the history of each individual system is available and no information on the number of systems removed from the field is recorded. The graphical method provides useful engineering insight into the system. The paper also shows the benefit of using this graphical method as a tool to compare the original product design with redesign, if elimination of certain failure modes can be accomplished.

A parametric approach which fits a Nonhomogeneous Poisson Process (NHPP) model to the graphical results is briefly discussed. Reliability information such as (1) the reliability estimate at any system age when time-to-first-repair is of concern, and (2) the reliability estimate at any system age of functioning another duration "D" without any repairs can be obtained. These estimates could help **make** engineering **decisions** , **develop** maintenance **schedules** , or initiate a product recall.

Understanding the difference between repairable and nonrepairable system reliability methods can result in a better-designed field **data collection** system to acquire more informative data. A properly designed **data collection** system will: (1) provide feedback information to help identify and prioritize product and process problems, (2) highlight follow-up actions required by Engineering, Manufacturing, and Service, and (3) provide information for review of future product/process designs to prevent recurrence of similar problems.

**52/7/48 (Item 2 from file: 266)**
DIALOG(R)File 266:FEDRIP

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00255023
IDENTIFYING NO.: 9171 AGENCY CODE: SBIR
**ARTIFIFICAL INTELLIGENCE APPLIED TO AERONAUTICAL SYSTEMS**
PRINCIPAL INVESTIGATOR: Uttamsingh, R.
PERFORMING ORG.: Synetics Corp, 540 Edgewater Dr, Wakefield, MA 01880
SPONSORING ORG.: AF
DATES: 1988 FUNDS: $49,959 ( 0000000) TYPE OF AWARD: Phase 1
SUMMARY: THE OBJECTIVE OF THIS PROPOSED EFFORT IS TO ESTABLISH THE FEASIBILITY OF APPLYING EXPERT SYSTEMS AND FINITE ELEMENT ANALYSIS TECHNOLOGIES TO THE PROBLEMS OF AIR BATTLE DAMAGE ASSESSMENT AND MAINTENANCE **SCHEDULING** AND MANAGEMENT FOR THE PURPOSE OF MEETING SPECIFIC BATTLE READINESS GOALS. AS **AIRCRAFT** SYSTEMS INCREASE IN COMPLEXITY, BATTLE DAMAGE ASSESSMENT AND MAINTENANCE MANAGEMENT ARE TASKS THAT WOULD BE PERFORMED MORE EFFECTIVELY THROUGH THE USE OF **KNOWLEDGE BASED** DECISION AIDS AND APPROPRIATE ANALYTICAL TOOLS. ONE ASPECT OF THIS PHASE I EFFORT IS INTENDED TO DEMONSTRATE THAT EXPERT SYSTEMS INTEGRATED WITH FINITE ELEMENT ANALYSIS TOOLS CAN GREATLY ENHANCE THE ACCURACY WITH WHICH THE TASK OF BATTLE DAMAGE **ASSESSMENT** CAN BE **PERFORMED** ON A GIVEN **AIRCRAFT** . THE OTHER ASPECT OF THIS EFFORT IS TO DEMONSTRATE THAT AN OVERALL MAINTENANCE **SCHEDULE** CAN BE **GENERATED** BY EXPERT SYSTEM **DECISION** AIDS THAT HAVE AS INPUTS THE OUTPUTS OF THE BATTLE DAMAGE ASSESSMENT EXPERT SYSTEMS AS WELL AS THE OVERALL REQUIRED BATTLE READINESS GOAL. THE FINAL RESULTS OF THIS PHASE I EFFORT WILL BE A PROOF-OF-CONCEPT SOFTWARE DEMONSTRATION AS WELL AS A REPORT ADDRESSING THE SCOPE, DESIGN IMPLEMENTATION ISSUES, AND BENEFITS OF THE OVERALL SYSTEM.
? t52/7/49;logoff hold

**52/7/49 (Item 1 from file: 18)**
DIALOG(R)File 18:Gale Group F&S Index(R)
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01136774 Supplier Number: 40740175
**McLane Holds the Line On Transportation Center Costs**
U.S. Distribution Journal, v216, n4, p1
April, 1989

ABSTRACT:
McLane (Temple, TX) installed Control Software's Maintenance Control and Management System to assit in equipment and parts purchasing, turnover strategies, repair **schedules** and inventory. The system has been designed to provide records of expenditures related to the purchasing and maintenance of tractors, trailers, and warehouse equipment. McLane, which makes 37,000 deliveries/wk to 25,000 customers via a fleet that traveled 24 mil mi in 1987, put the system in place to impact its budget. The system was put into use after a testing period at its Southwest div distribution center (also Temple). Now under a natl roll-out, which is **scheduled** for completion in 12/89, the set-up has required the company to take part in generating an asset **database** of information on its vehicles. When completed, each McLane div will be outfitted with at least 1 PC. The user-fiendly system allows mechanics and transportion managers to provide a daily record of activity. This data is used to keep a record of costs and ultimately assist in **decision making** . The company can also pinpoint stock excesses and cross-level inventory and make necessary cuts where appropriate. Parts acquisitions can also be affected in other ways; the history of activity and repair identifies the make and model of the equipment, allowing the company to question the reordering of a part that may have a history of functioning improperly. McLane will also use the system to provide forecasting and **scheduling** of **vehicle maintenance** .

COMMENTS: McLane: Uses maintenance control system from Control Software
Control Software: Its maintenance control system used by McLane for asset management

? t49/7/7-8,10-11,13-16,18-20,22,30-31,45-50,52,54,56,60-62,64-65,67

**49/7/7 (Item 7 from file: 6)**
DIALOG(R)File 6:NTIS
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1957439 NTIS Accession Number: AD-A306 144/7
**From Greaseboards to Gigabytes: A Comparative Analysis of Naval Aviation and Commercial Airlines Maintenance Scheduling Methods**
(Master's thesis)
Barnes, R. D. ; Harding, J. C.
Naval Postgraduate School, Monterey, CA.
Corp. Source Codes: 019895000; 251450
Dec 95 90p
Languages: English Document Type: Thesis
Journal Announcement: GRAI9618
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NTIS Prices: PC A06/MF A01
Country of Publication: United States
In Naval Aviation maintenance organizations, planning and scheduling of **preventive maintenance** actions tend to be left to ad hoc and traditional methods. The aviation operations exist in a highly dynamic environment; aircraft utilization, configurations, resource constraints and operational requirements change several times a day. To ensure that quality aircraft are available for operations, changes in maintenance schedules must be performed on a continuing, iterative basis, requiring integration of numerous **data bases** and intensive number crunching. Though operating in a more stable environment, commercial airlines attempt, as do Naval Aviation squadrons, to optimize aircraft utilization, mission readiness and/or maintenance yield under a set of constrained resources. In order to take advantage of the speed and efficiency related to automated software systems, a few airlines have recently **developed** and implemented integrated **decision** suppon systems (DSS) within their maintenance information systems. This has yielded extraordinary productivity improvements. In this thesis, the authors show that the implementation of an automated DSS, similar to those used in the airline industry, that could be integrated into the Naval Aviation Logistics Command Information System (NALCOMIS) would maximize resource utility while minimizing the impact of numerous ever-changing constraints. To reduce procurement lead time and minimize development risk and cost, the authors recommend the adaptation of a commercial off-the-shelf aviation-related DSS and provide a possible implementation plan.

**49/7/8 (Item 8 from file: 6)**
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1899337 NTIS Accession Number: N95-30925/8
**Making Intelligent Systems Team Players. A Guide to Developing Intelligent Monitoring Systems**
Land, S. A. ; Malin, J. T. ; Thronesberry, C. ; Schreckenghost, D. L.
National Aeronautics and Space Administration, Houston, TX. Lyndon B. Johnson Space Center.
Corp. Source Codes: 019042004; ND185000
Report No.: NAS 1.15:104807; NASA-TM-104807
Jul 95 100p

Languages: English
Journal Announcement: GRAI9521; STAR3311
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NTIS Prices: PC A05/MF A02
Country of Publication: United States
This reference guide for developers of intelligent monitoring systems is based on lessons learned by **developers** of the 1DEcision Support SYstem (DESSY), an expert system that **monitors Space Shuttle** telemetry data in real time. DESSY makes inferences about commands, state transitions, and simple failures. It performs failure detection rather than in-depth failure diagnostics. A listing of rules from DESSY and cue cards from DESSY subsystems are included to give the development community a better understanding of the selected model system. The G-2 programming tool used in developing DESSY provides an object-oriented, rule-based environment, but many of the principles in use here can be applied to any type of monitoring intelligent system. The step-by-step instructions and examples given for each stage of development are in G-2, but can be used with other development tools. This guide first defines the authors' concept of real-time monitoring systems, then tells prospective developers how to determine system requirements, how to build the system through a combined design/development process, and how to solve problems involved in working with real-time data. It explains the relationships among operational prototyping, software evolution, and the user interface. It also explains methods of testing, verification, and validation. It includes suggestions for preparing reference documentation and training users.

**49/7/10 (Item 10 from file: 6)**
DIALOG(R)File 6:NTIS
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1725044 NTIS Accession Number: AD-A262 118/3
**Estimating Characteristic Life and Reliability of an Aircraft Engine Component Improvement in the Early Stages of the Implementation Process**
(Master's thesis)
Martens, S. L.
Naval Postgraduate School, Monterey, CA.
Corp. Source Codes: 019895000; 251450
Dec 92 84p
Languages: English Document Type: Thesis
Journal Announcement: GRAI9314
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NTIS Prices: PC A05/MF A01
Country of Publication: United States
This thesis describes the **database** needed to **assess** improvement in the **performance** of a modification to the long electroless nickel (LEN) fuel tube of the TF-34-400 engine during the time the modified component is being introduced into the fleet. It also provides the methods and equations for estimating the reliability of a modified component during its implementation. The component failure times are assumed to have a Weibull distribution. When implemented, this methodology will provide engine program management teams more timely information which should enhance their **decision - making** process significantly.... TF-34-400, Aircraft engine component improvement program, WEIBULL, Weibayes, Characteristic life, Reliability, S-3.

**49/7/11 (Item 11 from file: 6)**
DIALOG(R)File 6:NTIS
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1715130 NTIS Accession Number: AD-A260 386/8
Aircraft **Engine Reliability** Analysis **Using Lower Confidence Limit Estimate Procedures**
(Master's thesis)
Baldwin, R. P.
Naval Postgraduate School, Monterey, CA.
Corp. Source Codes: 019895000; 251450
14 Dec 92 91p
Languages: English Document Type: Thesis
Journal Announcement: GRAI9311
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NTIS Prices: PC A05/MF A01
Country of Publication: United States
In this thesis, a spreadsheet model was developed to compute the lower confidence limit (LCL) for the reliability of a complex weapon system using a personal computer. The LCL is an estimate of the lowest reliability a system is expected to have at a given point in time with a given level of confidence. The reliability model is based on a Weibull distribution for the system component failure times. The reliability LCL procedures has been extensively validated and determined to be quite accurate when the expected number of failures is at least 10. This model is capable of **supporting** LCL **decisions** in **support** of the Component Improvement Program or new weapon system procurement where reliability growth analysis is used as a **decision support tool** . This procedure also provides program managers and engineers with a method to **perform** LCL **analysis** and thereby reduce their dependence on contractor supplied reliability data....Spreadsheet, NALDA, F404, LOTUS Application.

**49/7/13 (Item 13 from file: 6)**
DIALOG(R)File 6:NTIS
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1707511 NTIS Accession Number: PB93-142362
**Aids to Navigation Service Force Mix 2000 Project. Volume 2. Development and Application of an Aids to Navigation Service Force Mix** Decision Support **System. Aid Assignments and Vessel Summary Reports**
(Final rept. Jan 91-Jun 92)
Brown, K. ; Schwenk, J. ; Bucciarelli, M.
John A. Volpe National Transportation Systems Center, Cambridge, MA.
Corp. Source Codes: 098811000
Sponsor: Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Report No.: DOT-VNTSC-CG-92-2.2; DOT-CG-N-01-92-1.3
Jun 92 177p
Languages: English
Journal Announcement: GRAI9308
See also Volume 1, PB93-142354 and Volume 3, PB93-142370. Sponsored by Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Also available in set of 4 reports PC E99/MF E99, PB93-142339. Order this

product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A09/MF A02
Country of Publication: United States
Contract No.: CG269/B2006
The Aids to Navigation (ATON) Service Force Mix (SFM) 2000 Project is documented in a Project Overview and three separately bound volumes. This is Volume II. The Project Overview describes the purpose, approach, analysis, and results of the ATON SFM 2000 Project conducted by the USCG's Office of Navigation Safety and Waterway Services, Short Range Aids to Navigation Division. Volume I, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Final Report, documents the Volpe Center's analysis and development of the proposed replacement buoy tender fleet. The document describes current ATON operations, the concept, development, and operation of the **Decision Support** System (DSS), the data utilized by the DSS, validation of the DSS, and the proposed service force mix. Volume II, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Aid Assignments and Vessel Summary Reports, contains the DSS outputs associated with the findings of Volume I. Included are maps of the aid assignments for each vessel in both the current and proposed fleets and the associated one-page DSS summary printouts. Volume III, Analysis of Multi-Mission Requirements and Development of Planning Factors for the Replacement Buoy Tender Fleet, documents the USCG's analysis and development of baseline multi-mission requirements of the replacement buoy tender fleet. The document describes buoy tender employment categories, historical tender employment data, the determination of underway hours per underway day, and projected impacts on multi-mission requirements resulting from alternative replacement fleet scenarios.

**49/7/14 (Item 14 from file: 6)**
DIALOG(R)File 6:NTIS
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1707510 NTIS Accession Number: PB93-142354
**Aids to Navigation Service Force Mix 2000 Project. Volume 1. Development and Application of an Aids to Navigation Service Force Mix** Decision Support **System**
(Final rept. Jan 91-Jun 92)
Brown, K. ; Schwenk, J. ; Bucciarelli, M. ; Jacobs, M.
John A. Volpe National Transportation Systems Center, Cambridge, MA.
Corp. Source Codes: 098811000
Sponsor: Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Report No.: DOT-VNTSC-CG-92-2.1; DOT-CG-N-01-92-1.2
Jul 92 200p
Languages: English
Journal Announcement: GRAI9308
See also Part 1, PB93-142347 and Volume 2, PB93-142362. Sponsored by Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Also available in set of 4 reports PC E99/MF E99, PB93-142339. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A09/MF A03
Country of Publication: United States

Contract No.: CG269/B2006
The Aids to Navigation (ATON) Service Force Mix (SFM) 2000 Project is documented in a Project Overview and three separately bound volumes. This is Volume I. The Project Overview describes the purpose, approach, analysis, and results of the ATON SFM 2000 Project conducted by the USCG's Office of Navigation Safety and Waterway Services, Short Range Aids to Navigation Division. Volume I, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Final Report, documents the Volpe Center's analysis and development of the proposed replacement buoy tender fleet. The document describes current ATON operations, the concept, development, and operation of the **Decision Support** System (DSS), the data utilized by the DSS, validation of the DSS, and the proposed service force mix. Volume II, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Aid Assignments and Vessel Summary Reports, contains the DSS outputs associated with the findings of Volume I. Included are maps of the aid assignments for each vessel in both the current and proposed fleets and the associated one-page DSS summary printouts. Volume III, Analysis of Multi-Mission Requirements and Development of Planning Factors for the Replacement Buoy Tender Fleet, documents the USCG's analysis and development of baseline multi-mission requirements of the replacement buoy tender fleet. The document describes buoy tender employment categories, historical tender employment data, the determination of underway hours per underway day, and projected impacts on multi-mission requirements resulting from alternative replacement fleet scenarios.

**49/7/15 (Item 15 from file: 6)**
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1707509 NTIS Accession Number: PB93-142347
**Aids to Navigation Service Force Mix 2000 Project: Overview. Part 1**
(Final rept. May-Jul 92)
Brown, K. ; Schwenk, J.
John A. Volpe National Transportation Systems Center, Cambridge, MA.
Corp. Source Codes: 098811000
Sponsor: Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Report No.: DOT-VNTSC-CG-92-2; DOT-CG-N-01-92-1.1
Jul 92 30p
Languages: English
Journal Announcement: GRAI9308
See also Volume 1, PB93-142354. Sponsored by Coast Guard, Washington, DC. Office of Navigation Safety and Waterway Services.
Also available in set of 4 reports PC E99/MF E99, PB93-142339. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A03
Country of Publication: United States
Contract No.: CG269/B2006
The Aids to Navigation (ATON) Service Force Mix (SFM) 2000 Project is documented in a Project Overview and three separately bound volumes. This is the Project Overview. The Project Overview describes the purpose, approach, analysis, and results of the ATON SFM 2000 Project conducted by the USCG's Office of Navigation Safety and Waterway Services, Short Range Aids to Navigation Division. Volume I, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Final Report, documents the Volpe Center's analysis and development of the

proposed replacement buoy tender fleet. The document describes current ATON operations, the concept, development, and operation of the **Decision Support** System (DSS), the data utilized by the DSS, validation of the DSS, and the proposed service force mix. Volume II, Development and Application of an Aids to Navigation Service Force Mix **Decision Support** System -- Aid Assignments and Vessel Summary Reports, contains the DSS outputs associated with the findings of Volume I. Included are maps of the aid assignments for each vessel in both the current and proposed fleets and the associated one-page DSS summary printouts. Volume III, Analysis of Multi-Mission Requirements and Development of Planning Factors for the Replacement Buoy Tender Fleet, documents the USCG's analysis and development of baseline multi-mission requirements of the replacement buoy tender fleet. The document describes buoy tender employment categories, historical tender employment data, the determination of underway hours per underway day, and projected impacts on multi-mission requirements resulting from alternative replacement fleet scenarios.

**49/7/16 (Item 16 from file: 6)**
DIALOG(R)File 6:NTIS
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1695918 NTIS Accession Number: N93-11931/1
**Intelligent Diagnostics Systems**
(Abstract Only)
Mcquiston, B. M. ; Dehoff, R. L.
Systems Control Technology, Inc., Palo Alto, CA.
Corp. Source Codes: 075706000; S9212671
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Jan 92 1p
Languages: English
Journal Announcement: GRAI9305; STAR3102
In NASA. Lyndon B. Johnson Space Center, Fifth Annual Workshop on Space Operations Applications and Research (Soar 1991), Volume 1 p 67.
NTIS Prices: (Order as N93-11921/2, PC A20/MF A04)
Country of Publication: United States
Intelligent systems have been applied to today's problems and could also be applied to space operations integrity. One of these systems is the XMAN tool designed for ' **troubleshooting** ' jet engines. XMAN is the eXpert MAiNtenance tool developed to be an expert information analysis tool which stores trending and diagnostic data on Air Force engines. XMAN operates with a 'network topology' which follows a flow chart containing engine management information reports required by the governments technical order procedures. With XMAN technology, the user is able to identify engine problems by presenting the assertions of the fault isolation logic and attempting to satisfy individual assertions by referring to the **databases** created by an engine monitoring system. The **troubleshooting** process requires interaction between the technician and the computer to acquire new evidence form auxiliary maintenance tests corroboration of analytical results to accurately diagnose equipment malfunctions. This same technology will be required for systems which are functioning in space either with an onboard crew, or with an unmanned system. The technology and lessons learned **developing** this technology while **suggesting** definite applications for its use with developing space systems are addressed.

**49/7/18 (Item 18 from file: 6)**
DIALOG(R)File 6:NTIS
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1582040 NTIS Accession Number: N91-20679/7
**Expert System** Decision Support **for Low-Cost Launch Vehicle Operations**
Szatkowski, G. P. ; Levin, B. E.
General Dynamics/Astronautics, San Diego, CA.
Corp. Source Codes: 010716000; GD201306
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Jan 91 13p
Languages: English
Journal Announcement: GRAI9116; STAR2912
In NASA, Lyndon B. Johnson Space Center, Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90) p 304-316. Sponsored in Part by Afsd.
NTIS Prices: (Order as N91-20641/7, PC A21/MF A03)
Country of Publication: United States
Progress in assessing the feasibility, benefits, and risks associated with AI expert systems applied to low cost expendable launch vehicle systems is described. Part one identified potential application areas in vehicle operations and on-board functions, assessed measures of cost benefit, and identified key technologies to aid in the implementation of **decision support** systems in this environment. Part two of the program began the development of prototypes to demonstrate real-time **vehicle checkout** with controller and diagnostic/analysis intelligent systems and to gather true measures of cost savings vs. conventional software, verification and validation requirements, and maintainability improvement. The main objective of the expert advanced development projects was to provide a robust intelligent system for control/ **analysis** that must be **performed** within a specified real-time window in order to meet the demands of the given application. The efforts to develop the two prototypes are described. Prime emphasis was on a controller expert system to show real-time performance in a cryogenic propellant loading application and safety validation implementation of this system experimentally, using commercial-off-the-shelf software tools and object oriented programming techniques. This smart ground support equipment prototype is based in C with imbedded expert system rules written in the CLIPS protocol. The relational **database** , ORACLE, provides non-real-time data support. The second demonstration develops the vehicle/ground intelligent automation concept, from phase one, to show cooperation between multiple expert systems. This automated test conductor (ATC) prototype utilizes a knowledge-bus approach for intelligent information processing by use of virtual sensors and blackboards to solve complex problems. It incorporates distributed processing of real-time data and object-oriented techniques for command, configuration control, and auto-code generation.

**49/7/19 (Item 19 from file: 6)**
DIALOG(R)File 6:NTIS
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1568637 NTIS Accession Number: AD-A230 722/1
**Framework for Developing an Expert System-Based** Decision Support **System for Managing U.S. Army Directorates of Engineering and Housing Equipment Fleets**
(Final rept)
Fuerst, M. J. ; Hicks, D. K. ; Neathammer, R. D.
Construction Engineering Research Lab. (Army), Champaign, IL.
Corp. Source Codes: 054831000; 405279
Report No.: CERL-TR-P-91/06
Dec 90 30p
Languages: English
Journal Announcement: GRAI9112

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NTIS Prices: PC A03/MF A01
Country of Publication: United States
Contract No.: 4A162731AT41; SB
Many U.S. Army installation directorates of Engineering and Housing, having introduced equipment management systems, now seek to optimize use of the vast amount of information these systems can provide. This report presents outline specifications for a computerized expert system to **support fleet management decisions** . Included are: (1) an outline of some of the decisions that equipment management systems can help to make, (2) an explanation of the principles of economic analysis that underlie such decisions, (3) a description of the data structures required by an equipment management system, and (4) a description of the kinds of forecasts such a system can generate. Most of the findings of this report are equally applicable to any public works organization. Keywords: Army facilities, Army equipment, Inventory analysis, Inventory control, Management information systems. (rwj)

**49/7/20 (Item 20 from file: 6)**
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1549053 NTIS Accession Number: PB91-117416
**Decision Aids for** Fleet Management
(Final rept. Dec 88-Aug 90)
Chen, H. ; Rodriguez, J.
Sea-Land Service, Inc., Edison, NJ.
Corp. Source Codes: 098650000;
Sponsor: Ocean Systems, Inc., Oakland, CA.; Maritime Administration, Washington, DC. Office of Technology Assessment.
Report No.: MA-RD-840-90005
Aug 90 64p
Languages: English
Journal Announcement: GRAI9105
Prepared in cooperation with Ocean Systems, Inc., Oakland, CA. Sponsored by Maritime Administration, Washington, DC. Office of Technology Assessment.
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A04/MF A01
Country of Publication: United States
Contract No.: DT-MA-CA-80107
Complex inter-modal container transportation systems require efficient shipboard operation as well as shore-side management. Under the sponsorship of the Maritime Administration, Sea-Land Service, Inc. has installed, tested and evaluated the Integrated Marine **Decision Support** System **developed** by Ocean Systems Inc. on two of its container ships operating in the Trans-Pacific trades. The system consists of a suite of PC-based programs to receive forecast wind and wave data via satellite communications, and to predict seakeeping and speedkeeping performance of the vessel for heavy weather damage avoidance and route planning purposes. Two additional programs were **developed** to aid **decision making** by the shipboard officers as well as shore-side management. The shipboard data logging program performs voyage data logging/report generating functions. The port operations planning program attempts to trade-off the

loading/unloading cost with the expected fuel cost for on-time arrival at the next port.

**49/7/22 (Item 22 from file: 6)**
DIALOG(R)File 6:NTIS
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1363275 NTIS Accession Number: N88-17210/1
Knowledge Based **Jet Engine Diagnostics**
Jellison, T. G. ; DeHoff, R. L.
Systems Control Technology, Inc., Palo Alto, CA.
Corp. Source Codes: 075706000; S9212671
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Oct 87 6p
Languages: English
Journal Announcement: GRAI8812; STAR2609
In NASA. Lyndon B. Johnson Space Center, Houston, Texas, Annual Workshop on Space Operations Automation and Robotics (SOAR 87) (1st), p25-30.
NTIS Prices: (Order as N88-17206/9, PC A23/MF A01)
Country of Publication: United States
A fielded expert system automates equipment fault isolation and recommends corrective maintenance action for Air Force jet engines. The **knowledge based** diagnostics tool was developed as an expert system interface to the Comprehensive Engine Management System, Increment IV (CEMS IV), the standard Air Force base level maintenance **decision support** system. XMAM (trademark), the Expert Maintenance Tool, automates procedures for **troubleshooting** equipment faults, provides a facility for interactive user training, and fits within a diagnostics information feedback loop to improve the **troubleshooting** and equipment maintenance processes. The application of expert diagnostics to the Air Force A-10A aircraft TF-34 engine equipped with the Turbine Engine Monitoring System (TEMS) is presented.

**49/7/30 (Item 30 from file: 6)**
DIALOG(R)File 6:NTIS
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1076299 NTIS Accession Number: AD-A134 945/5
**Information Requirements for the VIMS (Vehicle Integrated Management System)**
(Master's thesis)
Fox, E. T.
Air Force Inst. of Tech., Wright-Patterson AFB, OH. School of Systems and Logistics.
Corp. Source Codes: 000805004; 012250
Report No.: AFIT-LSSR-72-83
Sep 83 87p
Languages: English Document Type: Thesis
Journal Announcement: GRAI8404
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A05/MF A01
Country of Publication: United States
The Vehicle Integrated Management System (VIMS) processes data inputs and puts out reports to be used by Air Force vehicle **fleet managers** . The system was designed to give managers information to **support** their

**decisions** . The problem centers around the fact that the VIMS has not been reevaluated since 1975. In the last eight years there have been changes in the information requirements of **decision makers** . In addition, there have been technological advances that have been made in the science of information gathering, processing, and reporting. This thesis examines the VIMS in the light of these changes and suggests modifications to bridge the gap between the VIMS outputs and **decision makers** ' information requirements. A five-step process was used involving structured interviews of **decision makers** and surveys of VIMS outputs and Air Force regulations. Presented in this effort are the shortfalls of the VIMS and the recommended corrective actions. (Author)

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1036172 NTIS Accession Number: AD-A127 847/2
**Registered Equipment Management System (REMS)/Vehicle Integrated Management System (VIMS) Consolidation**
King, D. E. ; Moller, R.
Air Force Logistics Management Center, Gunter AFS, AL.
Corp. Source Codes: 076970000; 394619
Report No.: AFLMC-820702
Feb 83 19p
Languages: English
Journal Announcement: GRAI8317
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01
Country of Publication: United States
The Air Force Logistics Management Center (AFLMC) was tasked to determine the practicality of a single base-level vehicle management systems which combines the functions of the Registered Equipment Management System (REMS) and the Vehicle Integrated Management System (VIMS). The problem with REMS and VIMS is that the **fleet management** information is fragmented, i.e., different formats and separate reporting frequencies exist, thus making consolidation and analysis of the information difficult, and verification of data time consuming. To conduct this study, we solicited inputs from the MAJCOM's to determine problems and potential benefits of combining the two systems. We also analyzed both systems for improvements. We determined REMS and VIMS contain adequate information for **fleet management** , but the way this information is collected and displayed limits meaningful use. We recommend using the upcoming On-Line Vehicle Interactive Management System (OLVIMS) prototype to test the concept of incorporating REMS and Authorization/Allowance information into the OLVIMS **data base** . The expanded OLVIMS will provide the data necessary for effective base-level **fleet management** .

**49/7/45 (Item 1 from file: 2)**
DIALOG(R)File 2:INSPEC
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7191492 INSPEC Abstract Number: B2002-04-7630-001, C2002-04-7460-001
**Title: Structural health management for aging aircraft**
Author(s): Ikegami, R.; Haugse, E.D.
Author Affiliation: Boeing Phantom Works, Boeing Co., Seattle, WA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4332 p.60-7
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 2001 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(2001)4332L.60:SHMA;1-O
Material Identity Number: C574-2001-273
U.S. Copyright Clearance Center Code: 0277-786X/01/$15.00
Conference Title: Smart Structures and Materials 2001: Industrial and Commercial Applications of Smart Structures Technologies
Conference Sponsor: SPIE; ASME; Soc. Experimental Mech.; Boeing Co
Conference Date: 5-8 March 2001 Conference Location: Newport Beach, CA, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P); Experimental (X)
Abstract: An effective structural health management (SHM) system can be a useful tool for **making** aircraft **fleet management decisions** ranging from individual **aircraft maintenance** scheduling and usage restrictions to fleet rotation strategies. This paper discusses the end-user requirements for the elements and architecture of an effective SHM system for application to both military and commercial aging aircraft fleets. The elements discussed include the sensor systems for **monitoring** and characterizing the **health** of the structure, data processing methods for interpreting sensor data and converting it into useable information, and automated methods for erroneous **data** detection, **data archiving** and **information** dissemination. Current and past SHM technology development/maturation efforts in these areas at the Boeing Company are described. An evolutionary technology development strategy is developed in which the technologies needed will be matured, integrated into a vehicle health management system, and benefits established without requiring extensive changes to the end-user's existing operation and maintenance infrastructure. Issues regarding the end-user customer acceptance of SHM systems are discussed and summarized. (6 Refs)
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**49/7/46 (Item 2 from file: 2)**
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7106132 INSPEC Abstract Number: C2002-01-7410H-016
**Title: Hybrid reasoning for prognostic learning in CBM systems**
Author(s): Garga, A.K.; McClintic, K.T.; Campbell, R.L.; Chih-Chung Yang; Lebold, M.S.; Hay, T.A.; Byington, C.S.
Author Affiliation: Appl. Res. Lab., Pennsylvania State Univ., State College, PA, USA
Conference Title: 2001 IEEE Aerospace Conference Proceedings (Cat. No.01TH8542) Part vol.6 p.2957-69 vol.6
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2001 Country of Publication: USA 7 vol. xxii+3688 pp.
ISBN: 0 7803 6599 2 Material Identity Number: XX-2001-01312
U.S. Copyright Clearance Center Code: 0 7803 6599 2/2001/$10.00
Conference Title: 2001 IEEE Aerospace Conference Proceedings
Conference Sponsor: IEEE Aerosp.; Electron. Syst. Soc
Conference Date: 10-17 March 2001 Conference Location: Big Sky, MT, USA
Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)
Abstract: Reasoning systems that integrate explicit knowledge with implicit information are essential for high performance **decision support** in **condition** -based maintenance and **prognostic health** management applications. Such reasoning systems must be capable of learning the specific features of each machine during its life cycle. In this paper, a hybrid reasoning approach that is capable of integrating **domain knowledge** and test and operational data from the machine is described. This approach is illustrated with an industrial gearbox example. In this approach explicit **domain knowledge** is expressed as a rule-base and used to train a feedforward neural network. The training process results in a parsimonious representation of the explicit knowledge by combining redundant rules. A significant added practical benefit of this process is that it also is able to identify logical inconsistencies in the rule-base. Such inconsistencies are notorious in causing deadlock in large-scale expert systems. The neural network can be periodically updated with test and operational data to adapt the network to each specific machine. The flexibility and efficiency of this hybrid approach make it very suitable for practical health management systems designed to operate in a distributed environment. (17 Refs)
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**49/7/47 (Item 3 from file: 2)**
DIALOG(R)File 2:INSPEC
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7055346 INSPEC Abstract Number: B2001-11-7640-005, C2001-11-3360L-012
**Title: Control of high-performance intelligent flight servos: a benchmarking example in design of advanced mechatronic systems**
Author(s): Lyshevski, S.E.; Sinha, A.S.C.
Author Affiliation: Dept. of Electr. Eng., Purdue Univ., Indianapolis, IN, USA
Conference Title: Smart Engineering System Design: Neural Networks, Fuzzy Logic, Evolutionary Programming, Data Mining, and Complex Systems. Vol.10. Proceedings of the Artificial Neural Networks in Engineering Conference (ANNIE 2000) p.611-16
Editor(s): Dagli, C.H.; Buczak, A.L.; Ghosh, J.; Embrechts, M.; Ersoy, O. ; Kercel, S.
Publisher: ASME, New York, NY, USA
Publication Date: 2000 Country of Publication: USA xx+1128 pp.
ISBN: 0 7918 0161 6 Material Identity Number: XX-2000-03191
Conference Title: ANNIE 2000. Smart Engineering Systems Design Conference
Conference Date: 5-8 Nov. 2000 Conference Location: St. Louis, MO, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P); Experimental (X)
Abstract: A flight **vehicle** 's performance depends upon flight actuators which displace the control surfaces. Intelligent flight servos must be designed to achieve the specified criteria, requirements and standards. Electromechanical flight actuators are actuated by electric servo-motors, and brushless permanent-magnet synchronous machines are perfectly suited to this, due to their efficiency, reliability, low volume, weight and size-to-torque ratios, high torque density, low cost and maintenance, simplicity and ruggedness. However, conventional controllers do not ensure the dynamic performance of flight actuators in the full operating envelope under rapidly changing flight and environmental conditions as well as aerodynamic loads. This paper illustrates that the application of neural network-based control systems is a meaningful avenue in the design of advanced flight servos. It is shown that new methods must be applied,

because synchronous servo-motors are controlled using power converters by taking note of electromagnetic features. In particular, control signals which drive high-switching transistors are developed, based upon the rotor angular displacement. A digital signal processor performs control and **decision - making** through **learning , adaptation** , reconfiguration, scheduling and optimization mechanisms. Other functions, such as identification, estimation and **diagnostics** , can be also **performed** . We demonstrate that the specified tracking accuracy, desired deflection rate and disturbance attenuation are guaranteed by the neural network-based intelligent controller. Experimental results are documented. (6 Refs)
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**49/7/48 (Item 4 from file: 2)**
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6971742 INSPEC Abstract Number: B2001-08-0100-055, C2001-08-7840-009
**Title: TeleGeoProcessing and TeleGeoMonitoring**
Journal: Computers, Environment and Urban Systems vol.25, no.3
Publisher: Elsevier,
Publication Date: May 2001 Country of Publication: UK
CODEN: CEUSD5 ISSN: 0198-9715
Material Identity Number: A698-2001-003
U.S. Copyright Clearance Center Code: 01/$20.00
Conference Title: TeleGeoProcessing and TeleGeoMonitoring
Conference Date: May 2000 Conference Location: Nice Sophia-Antipolis, France
Language: English Document Type: Conference Proceedings (CP); Journal Paper (JP)
Abstract: The objective of the symposia is to bring together the wide range of people who are carrying out research into novel systems of telegeoprocessing, as well as relevant research in geographic information systems (GIS) and in telecommunications. Telegeoprocessing may be defined as a new discipline, based on real-time spatial **databases** which are updated regularly by means of telecommunications systems and which are used to **support** online **decision making** . Integral to the field is the use of global positioning systems (GPS) and associated technologies for sending data from sensors to GIS software by means of wireless communications. The range of applications to date includes **fleet management** , traffic management, risk prevention, disaster management and humanitarian assistance.
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**49/7/49 (Item 5 from file: 2)**
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6805515 INSPEC Abstract Number: B2001-02-7640-015, C2001-02-7460-041
**Title: Intelligent maintenance advisor for turbine engines**
Author(s): Ashby, M.J.; Scheuren, W.J.
Author Affiliation: Adv. Control Syst., Evendale, OH, USA
Conference Title: 2000 IEEE Aerospace Conference. Proceedings (Cat. No.00TH8484) Part vol.6 p.211-19 vol.6
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2000 Country of Publication: USA 7 vol.(xxviii+566+524+512+566+554+586+686) pp.

ISBN: 0 7803 5846 5 Material Identity Number: XX-2000-02332
U.S. Copyright Clearance Center Code: 0 7803 5846 5/2000/$10.00
Conference Title: 2000 IEEE Aerospace Conference Proceedings
Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc
Conference Date: 18-25 March 2000 Conference Location: Big Sky, MT, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P); Experimental (X)
Abstract: Current gas turbine **diagnostic** and **condition monitoring** systems generate information that, while accurate the majority of time, is produced without regard to (or access to in most cases) other sources of related information. This leads to ambiguity in **troubleshooting** , requires maintenance personnel to **make** uninformed **decisions** and results in erroneous component removals and This paper describes a program, to address this problem through the design and test of a condition-based Intelligent Maintenance Advisor for Turbine Engines (IMATE) system. This system integrates sensor and model data from various diagnostic, prognostic and usage sources with information fusion algorithms to **assess** engine **condition** . A more focused maintenance **recommendation** can then be **made** based upon all available information rather than several independent and potentially conflicting sources. The program demonstrates a dual use capability by conducting demonstration testing on both a commercial and a military engine. (7 Refs)
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6805496 INSPEC Abstract Number: B2001-02-7620-019, C2001-02-7410H-015
**Title: Signal processing and fault detection with application to CH-46 helicopter data**
Author(s): Fang Wen; Willett, P.; Deb, S.
Author Affiliation: Connecticut Univ., Storrs, CT, USA
Conference Title: 2000 IEEE Aerospace Conference. Proceedings (Cat. No.00TH8484) Part vol.6 p.15-26 vol.6
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2000 Country of Publication: USA 7 vol.(xxviii+566+524+512+566+554+586+686) pp.
ISBN: 0 7803 5846 5 Material Identity Number: XX-2000-02332
U.S. Copyright Clearance Center Code: 0 7803 5846 5/2000/$10.00
Conference Title: 2000 IEEE Aerospace Conference Proceedings
Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc
Conference Date: 18-25 March 2000 Conference Location: Big Sky, MT, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: Central to Qualtech Systems mission is its testability and maintenance software (TEAMS) and derivatives. Many systems comprise components equipped with self-testing capability; but, if the system is complex (and involves feedback and if the self-testing itself may occasionally be faulty) tracing faults to a single or multiple causes is difficult. However, even for systems involving many thousands of components the PC-based TEAMS provides essentially real-time system- **state diagnosis** . Until recently TEAMS operation was passive: its diagnoses were based on whatever data sensors could provide. Now, however, a signal-processing (SP) "frontend" matched to inference needs is available. Many standard signal processing primitives, such as filtering, spectrum analysis and

multi-resolution decomposition are available; the SP toolbox is also equipped with a (supervised) classification capability based on a number of **decision - making** paradigms. This paper is about the SP toolbox. We show its capabilities, and demonstrate its performance on the CH-46 "Westland" **data set** . (8 Refs)
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**49/7/52 (Item 8 from file: 2)**
DIALOG(R)File 2:INSPEC
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6489864 INSPEC Abstract Number: B2000-03-7620-014, C2000-03-7460-033
**Title: Automated rule extraction for engine vibration analysis**
Author(s): Brotherton, T.; Chadderdon, G.; Grabill, P.
Author Affiliation: Orincon Corp., San Diego, CA, USA
Conference Title: 1999 IEEE Aerospace Conference. Proceedings (Cat. No.99TH8403) Part vol.3 p.29-38 vol.3
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 1999 Country of Publication: USA 5 vol. (xiv+488+492+470+466+480) pp.
ISBN: 0 7803 5425 7 Material Identity Number: XX-1999-02384
Conference Title: 1999 IEEE Aerospace Conference. Proceedings
Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc
Conference Date: 6-13 March 1999 Conference Location: Snowmass at Aspen, CO, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Theoretical (T)
Abstract: A problem in engine **health monitoring** is the automatic detection and classification of potential component failures. Current processing uses simple features to measure and characterize changes in sensor data. An alternative solution uses neural networks coupled with appropriate feature extractors. Unfortunately most neural nets give little insight into the "why" of their output **decisions** . We have **developed** a variation of the radial basis function neural net for the problem. The neural net is essentially a nearest neighbor classifier. Classification rules can be found by examination of the basis functions. Rule complexity is reduced by using evolutionary programming to select the input features and neural net architecture. The technique is applied to complex vibration spectral data to yield a simple rule that gives superior performance when compared to a traditional approach. The approach is a valuable tool for developing simple rules when a large feature set is available. (13 Refs)
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**49/7/54 (Item 10 from file: 2)**
DIALOG(R)File 2:INSPEC
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6324625 INSPEC Abstract Number: C1999-09-7480-164
**Title: Managing industrial process knowledge using case-based reasoning technology**
Author(s): Aldous, K.J.
Author Affiliation: Ind. Res. Ltd., Christchurch, New Zealand
Conference Title: WMC 97. World Manufacturing Congress. International Symposium on Manufacturing Systems - ISMS'97 p.260-6
Editor(s): Nahavandi, S.; Saadat, M.
Publisher: ICSC Academic Press, Millet, Alta., Canada

Publication Date: 1997 Country of Publication: Canada 340 pp.
ISBN: 3 906454 08 8 Material Identity Number: XX-1998-00966
Conference Title: Proceedings of WMC '97: World Manufacturing Congress
Conference Date: 18-21 Nov. 1997 Conference Location: Auckland, New Zealand
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The use of case-based reasoning (CBR) technology to manage process information and hence to improve industrial processes is discussed The principles and methods of CBR, and how these may be applied to industrial processes are explained. CBR is a new technology that is effective in handling information about systems that cannot be modelled using a set of rules or formulas. Descriptions of processes in terms of the part being processed, values of settings, and procedures as they were carried out by the operator in particular activities compose the "cases" in the case base. Using approximate retrieval, cases that are similar to a new activity are accessed and adapted using rules of thumb. These may then be used to plan and direct the new activity. Approximate retrieval uses a matching algorithm that may be modified dynamically to suit the process description presented to the system. A demonstration CBR system containing process information for nickel plating as undertaken in an **aircraft maintenance** plant is described. It was constructed using the Esteem case-based reasoning software. This system shows how CBR can be used to develop an operational tool for platers to store, retrieve and **adapt knowledge** about their processes. (6 Refs)
Subfile: C
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**49/7/56 (Item 12 from file: 2)**
DIALOG(R)File 2:INSPEC
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6008978 INSPEC Abstract Number: C9810-3360L-024
**Title: Geno-fuzzy control in autonomous servicing of a space station**
Author(s): Ortega, G.; Giron-Sierra, J.M.
Author Affiliation: Eur. Space Res. & Technol. Centre, Noordwijk, Netherlands
Journal: Engineering Applications of Artificial Intelligence vol.11, no.3 p.383-400
Publisher: Elsevier,
Publication Date: June 1998 Country of Publication: UK
CODEN: EAAIE6 ISSN: 0952-1976
SICI: 0952-1976(199806)11:3L.383:GFCA;1-O
Material Identity Number: M728-98005
U.S. Copyright Clearance Center Code: 0952-1976/98/$19.00
Document Number: S0952-1976(98)00002-5
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P); Theoretical (T)
Abstract: The provision of **spacecraft servicing** to a space station comprises the tasks of assembly, resupply, repair and maintenance of manufactured space parts in orbit. Servicing tasks use rendezvous and docking operations to accomplish their objectives. Autonomous servicing relies on intelligent flight control systems to perform fast, soft and precise docking operations. This paper proposes the use of a fuzzy logic control system, mounted on an active chaser vehicle which attempts to dock with a large passive space station in orbit around the Earth. The geno-fuzzy controller is a **knowledge - based** controller that performs the closed-loop operations autonomously. It **produces** smooth control **actions** in the proximity of the target and during the docking, to avoid disturbance

torques in the final assembly orbit. The use of a genetic algorithm tool to optimize the controller so as to reduce docking time and fuel consumption is **analyzed** . It **performs** the optimization by finding the best fuzzy sets of the controller membership functions and the most suitable rule **database** . (30 Refs)
Subfile: C
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**49/7/60 (Item 16 from file: 2)**
DIALOG(R)File 2:INSPEC
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4669828 INSPEC Abstract Number: C9406-7460-028
**Title: CBR for** troubleshooting **aircraft on the flightline**
Author(s): Magaldi, R.V.
Author Affiliation: Inf. Manage. Res., British Airways plc., Heathrow Airport, UK
Conference Title: IEE Colloquium on 'Case Based Reasoning: Prospects for Applications' (Digest No.1994/057) p.6/1-9
Publisher: IEE, London, UK
Publication Date: 1994 Country of Publication: UK 41 pp.
Conference Title: IEE Colloquium on 'Case Based Reasoning: Prospects for Applications' (Digest No.1994/057)
Conference Sponsor: IEE
Conference Date: 3 March 1994 Conference Location: London, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); General, Review (G)
Abstract: **Knowledge - based** approaches to the solution of **aircraft maintenance** problems are beginning to gain gradual acceptance within the airline business. The industry began several years ago by using artificial intelligence to address complex maintenance planning and scheduling problems. More recently, focus has shifted to other important areas, such as system **condition monitoring** and failure **diagnostics** . Case-based reasoning (CBR) has recently emerged as a good candidate technology to support complex system diagnostics, particularly when aiding human **decision - making** during time-constrained operations. However, a number of human factors and technical issues remain to be resolved if the apparent potential of CBR technology is to be both accepted and successfully exploited within the airline industry. This paper emphasises some of the findings and lessons learned during CBR based work at British Airways, and describes some of the author's emerging views of how such future systems must be both planned and developed. (8 Refs)
Subfile: C

**49/7/61 (Item 17 from file: 2)**
DIALOG(R)File 2:INSPEC
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4631040 INSPEC Abstract Number: C9405-7420-017
**Title: A** knowledge - based **autonomous vehicle system for emergency management support**
Author(s): Gilmore, J.F.
Author Affiliation: Georgia Tech. Res. Inst., Atlanta, GA, USA
p.141-56
Editor(s): Ryan, K.; Sutcliff, R.F.E.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1993 Country of Publication: West Germany ix+356 pp.

ISBN: 3 540 19799 0
Conference Title: Proceedings of Annual Irish Conference on Artificial Intelligence and Cognitive Science '92
Conference Sponsor: Digital Equipment Ireland; Hitachi, IBM Ireland; K&M Technol; et al
Conference Date: 10-11 Sept. 1992 Conference Location: Limerick, Ireland
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The Federal Emergency Management Agency (FEMA) is tasked with allocating resources in responding to natural (eg., earthquakes, volcanos, floods) and man-made (nuclear accidents, fires, hazardous waste) disasters. **Data collection** during these events must be performed in a timely manner to **support** the real-time **decision support** structure employed by FEMA. The author describes an **knowledge - based** system for the command and control of multiple unmanned autonomous **vehicles** (UAV) **performing surveillance** in support of a viable emergency management **decision - making** system. The goal of the Emergency Management Expert Response thru Goal-driven Entities (EMERGE) is to assist a FEMA UAV operator by **monitoring** the **status** of individual UAVs and alerting FEMA personnel to existing or potential trouble areas. A **knowledge - based** system developed to assist human operators in the control of multiple air **vehicles** , EMERGE **monitors** the **status** of individual UAVs, alerting the EMERGE operator to existing or potential trouble areas. Assisting the operator by focusing his attention on tasks requiring resolution rather than system monitoring activities, EMERGE provides a mechanism by which multiple aerial **vehicle surveillance** can successfully support **data collection** and disaster response efforts. (6 Refs)
Subfile: C

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04379148 INSPEC Abstract Number: C9305-7102-005
**Title: A** decision support **system for vehicle fleet planning**
Author(s): Couillard, J.
Author Affiliation: Ottawa Univ., Ont., Canada
Journal: Decision Support Systems vol.9, no.2 p.149-59
Publication Date: Feb. 1993 Country of Publication: Netherlands
CODEN: DSSYDK ISSN: 0167-9236
U.S. Copyright Clearance Center Code: 0167-9236/93/$06.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: A **decision support** system (DSS) is developed to solve the fleet planning problem. The system can be used by **fleet managers** to plan fleet size and mix. The **decision support** system was designed to assist managers in every step of the planning process to forecast demand; to determine relevant criteria; to generate alternative plans; to assess alternative plans with respect to the criteria; and to choose 'the best' plan. Emphasis of the **decision support** system is on flexibility. Another important feature of the **decision support** system is that it uses both a multicriteria approach to evaluate alternative plans and a stochastic programming model to generate plans. The system can be used to answer a wide variety of 'what if' questions with potentially significant cost impacts. The example provided shows how the DSS can be useful to improve vehicle fleet planning. (19 Refs)
Subfile: C

**49/7/64 (Item 20 from file: 2)**
DIALOG(R)File 2:INSPEC
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03731150 INSPEC Abstract Number: C90066811
**Title: The TM$ track management system**
Author(s): Hide, H.; Jang, K.; Nykoluk, M.; Choi, E.
Author Affiliation: Cole, Sherman & Associates, Toronto, Ont., Canada
Conference Title: Computer Applications in Railway Planning and Management. Proceedings of the Second International Conference on Computer Aided Design, Manufacture and Operation in the Railway and Other Advanced Mass Transit Systems p.199-206
Editor(s): Murthy, T.K.S.; Rivier, R.E.; List, G.F.; Mikolaj, J.
Publisher: Comput. Mech. Publications, Southampton, UK
Publication Date: 1990 Country of Publication: UK 284 pp.
ISBN: 1 85312 058 8
Conference Date: 27-29 March 1990 Conference Location: Rome, Italy
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The track management system (TM$) has been designed to increase effective access to **track performance** data, to forecast the effects of deterioration and maintenance activity, and to formulate cost-effective maintenance programs. Data interfaces and manipulation programs allow electronic transfer of **condition** data from **track** geometry recording **cars** and other data from corporate **databases** . **Track condition** indices can be displayed in color graphic form to speed review of large sections of track or to permit detailed analysis of track problems on a mile-by-mile basis. Forecasts are based on statistical models of track deterioration and maintenance effectiveness, and are used by the cost and economic evaluation models to develop coordinated surface, rail, and tie maintenance programs for periods up to five years. The surface maintenance system is currently being implemented on the Burlington Northern Railroad (BN) and further detailed development of rail and tie maintenance systems is continuing. (0 Refs)
Subfile: C

**49/7/65 (Item 1 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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06985423 E.I. No: EIP04348317503
**Title: Sources of fuzziness in** vehicle maintenance **management**
Author: Knezevic, Jezdimir; Papic, Ljubisa; Vasic, Branko
Corporate Source: University of Exeter, Exeter, United Kingdom
Source: Journal of Quality in Maintenance Engineering v 3 n 4 1997. p 281-288
Publication Year: 1997
CODEN: JQMEFI ISSN: 1355-2511
Language: English
Document Type: JA; (Journal Article) Treatment: G; (General Review)
Journal Announcement: 0408W4
Abstract: The use of fuzzy logic as a convenient tool for **vehicle maintenance** management is discussed. In the fuzzy set theory, uncertainty is viewed as a degree of set membership, where the degrees of membership are numerical values in the interval left bracket 0,1 right bracket . Soft and ambiguous connections between entities within the vehicles, and those of technological process of maintenance, are found when **making decisions** about maintenance. The source of fuzziness is found in data in

almost everything including operation of the **vehicle , vehicle condition** as **diagnosed** by the driver, type of failure and duration of certain interventions in reports of repair. (Edited abstract) 7 Refs.

**49/7/67 (Item 3 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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05907026 E.I. No: EIP01416682380
**Title: The research on the intelligent fault** selfcheck **system of multi-computer system**
Author: Lidong, W.; Xinhua, Z.; Shiya, S.
Corporate Source: Ordnance Engineering College, Shijiazhuang 050003, China
Conference Title: 4th International Symposium on Test and Measurement (ISTM/2001)
Conference Location: Shanghai, China Conference Date: 20010601-20010603
E.I. Conference No.: 58492
Source: Proceedings of the International Symposium on Test and Measurement v 1 2001. p 387-390
Publication Year: 2001
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0110W3
Abstract: An intelligent fault **selfcheck** system of multi-computer system (IFSSMS) was discussed using an intelligent fault diagnosis technique. The fault information of the multi-computer system was acquired by the self- **learning** and self- **adaptation** technique. The **knowledge** library of the fault diagnosis was created and safegaurded automatically. IFSSMS was emulated in the photoelectric fire-control system. A high level of learning efficiency, fault diagnosis efficiency and diagnosis result reliability was achieved. (Edited abstract) 4 Refs.
? t49/7/72-73,75-76,78-80,87,91

**49/7/72 (Item 8 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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04083550 E.I. No: EIP95022577860
**Title: Possibility theory in 'fault** mode **effect** analyses **' - a satellite fault diagnosis application -**
Author: Cayrac, D.; Dubois, D.; Haziza, M.; Prade, H.
Corporate Source: Matra Marconi Space, Toulouse, Fr
Conference Title: Proceedings of the 3rd IEEE Conference on Fuzzy Systems. Part 2 (of 3)
Conference Location: Orlando, FL, USA Conference Date: 19940626-19940629
Sponsor: IEEE
E.I. Conference No.: 42534
Source: IEEE International Conference on Fuzzy Systems v 2 1994. IEEE, Piscataway, NJ, USA,94CH3430-6. p 1176-1181
Publication Year: 1994
CODEN: 001945
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 9504W4
Abstract: Matra Marconi Space (MMS) has been developing **spacecraft diagnostic** support systems for eight years. Keeping in mind the operational constraints of scale and efficiency that guided the design of

the first systems, the reasoning paradigms are now refined, in order to improve the solutions. The FMECA, Fault **Mode** Effects and Criticality **Analyses** , form a very important category of knowledge compiled during the design phase of a satellite, and used also for diagnosis activities. This paper proposes their extension, allowing a finer representation of the available knowledge, at approximately the same cost, through the introduction of an appropriate representation of uncertainty and incompleteness based on possibility theory. Efficient discrimination techniques exploiting uncertain observations are introduced, and an example illustrates the mechanisms involved in this approach. (Author abstract) 13 Refs.

**49/7/73 (Item 9 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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03701404 E.I. No: EIP93050805033
**Title: Flock autonomy for unmanned vehicles**
Author: Schiller, Ilya; Luciano, Joanne S.; Draper, James S.
Corporate Source: KTAADN Inc., Newton, MA, USA
Conference Title: Mobile Robots VII
Conference Location: Boston, MA, USA Conference Date: 19921118-19921120
Sponsor: SPIE - Int Soc for Opt Engineering, Bellingham, WA, USA
E.I. Conference No.: 18608
Source: Proceedings of SPIE - The International Society for Optical Engineering v 1831 1993. Publ by Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 45-51
Publication Year: 1993
CODEN: PSISDG ISSN: 0277-786X ISBN: 0-8194-1032-2
Language: English
Document Type: CA; (Conference Article) Treatment: X; (Experimental); T ; (Theoretical)
Journal Announcement: 9310W5
Abstract: In real-world situations multiple vehicles will be called upon to perform exploration, national defense, rescue and routine operations in hazardous environments. In multi-vehicle missions, the benefits autonomy has to offer are even greater. Multi- **vehicle** control and **monitoring** with autonomous operation will become an absolute necessity and autonomous cooperation of vehicles is the only practical alternative. Developing enabling technologies, such as autonomous control systems, can provide UAVs with the ability to fuse sensor data, cope with conflicting inputs, and **make decisions** . The success of UAV missions flying straight paths between way points can be enhanced by an on-board **trainable adaptable** replanning system that can route the UAV around unexpected threats or detour for unusual observations. This paper investigates different levels of autonomy for multiple unmanned vehicles. It is shown that different types of autonomous cooperation will be needed for different types of missions. 15 refs.

**49/7/75 (Item 11 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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03303017 E.I. Monthly No: EIM9109-044299
**Title: Expert system for container stowage planning.**
Author: Dillingham, Jeffrey; Dumbleton, John
Corporate Source: JAYCOR, San Diego, CA, USA
Conference Title: Proceedings of the 14th Ship Technology and Research

STAR Symposium 1989 in conjunction with the SNAME Spring Meeting
Conference Location: New Orleans, LA, USA Conference Date: 19890412
E.I. Conference No.: 14706
Source: 21st Century-Ship and Offshore Vessel Design, Construction and Operation Proceedings - Ship Technology and Research (STAR) Symposium. Publ by Soc of Naval Architects & Marine Engineers, Jersey City, NJ, USA. 13p
Publication Year: 1989
CODEN: PTRSDY
Language: English
Document Type: PA; (Conference Paper) Treatment: A; (Applications)
Journal Announcement: 9109
Abstract: The objective of this project was to determine the feasibility of utilizing modern artificial intelligence methods to improve the speed and accuracy of cargo stowage planning. The target machine was a desk-top PC. A prototype expert system program, called STOW, was developed with assistance from an experienced stowage planner. STOW combines **data base** management with intelligent **decision support** . A test case for STOW was devised using realistic input data obtained from Farrell Lines Inc., and several stowage plans were generated by the program. A discussion of the results is presented in this paper, along with information on processing time, pitfalls and general usefulness of this method. (Edited author abstract) 11 Refs.

**49/7/76 (Item 12 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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02863762 E.I. Monthly No: EIM9002-008179
**Title: Real-time** adaptive **control of** knowledge **based avionics tasks.**
Author: Cowin, Richard; Krikorian, Haig F.
Corporate Source: Northrop Corp Hawthorne, CA, USA
Conference Title: Proceedings of the IEEE 1989 National Aerospace and Electronics Conference - NAECON 1989
Conference Location: Dayton, OH, USA Conference Date: 19890522
Sponsor: IEEE, Dayton Section, Dayton, OH, USA; IEEE, Aerospace and Electronic Systems Soc, New York, NY, USA
E.I. Conference No.: 12685
Source: IEEE Proceedings of the National Aerospace and Electronics Conference v 3 (of 4). Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA. p 1175-1184
Publication Year: 1989
CODEN: NASEA9
Language: English
Document Type: PA; (Conference Paper) Treatment: A; (Applications)
Journal Announcement: 9002
Abstract: Advanced **decision - making** capabilities are being developed to aid the pilots of the next generation of tactical fighters. Due to the limited processing resources available in an avionics suite, efforts have focused on developing a distributed fault-tolerant software architecture that permits the real-time prioritization and scheduling of these tasks. The authors outline the design details of an architecture currently under development to meet these performance requirements. The system has been tested with a threat-avoidance system, implemented on a testbed of five internetted Lisp workstations, to evaluate overall system capabilities including scheduling, task operations, and database accesses. It has a simulation cycle of 50 ms and synchronization between distributed nodes can be achieved within 2 ms. This test case has nine knowledge tasks, one of which is defined as a simulation cycle that drives the test case. This system has been evaluated with the current trace capabilities and runs with a peak of 16 task instances active at any time. 5 refs.

**49/7/78 (Item 14 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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02551933 E.I. Monthly No: EIM8803-014323
**Title: EMBEDDED EXPERT SYSTEM FOR SPACE SHUTTLE MAIN ENGINE** MAINTENANCE .
Author: Pooley, J.; Thompson, W.; Homsley, T.; Teoh, W.; Jones, J.; Lewallen, P.
Corporate Source: Sparta Inc, Huntsville, AL, USA
Conference Title: Third Conference on Artificial Intelligence for Space Applications, Part I.
Conference Location: Huntsville, AL, USA Conference Date: 19871102
Sponsor: Univ of Alabama, Huntsville, AL, USA; NASA, Washington, DC, USA
E.I. Conference No.: 10800
Source: NASA Conference Publication 2492. Publ by NASA, Washington, DC, USA p 115-119
Publication Year: 1987
CODEN: NACPDX ISSN: 0191-7811
Language: English
Document Type: PA; (Conference Paper)
Journal Announcement: 8803
Abstract: Space Shuttle Main Engine (SSME) **maintenance** , whether **preventive** , scheduled, or unscheduled, is a major escalating cost item. Significant progress has been made in the NASA and Air Force communities toward **performance** of the **health monitoring** function in instrumentation, analysis techniques, and envelope (trends and rate of change) monitoring. Current techniques require that domain experts be integrally involved in the analysis session and **make** on-line **decisions** to direct analysis. The SPARTA Embedded Expert System (SEES) is an intelligent **health monitoring** system that directs the analysis by placing confidence factors on possible engine status, then recommends a course of action of an engineer or the engine controller. This technique can prevent catastrophic failures or costly rocket engine down time because of false alarms. Further, the SEES has potential as an on-board flight monitor for reusable rocket engine systems. The SEES methodology synergistically integrates vibration analysis, pattern recognition, and communications theory techniques with an artificial intelligence technique - the Embedded Expert System (EES). This integration affords a robustness via the analysis techniques with an ability to resolve conflicts by the expert system techniques. (Author abstract) 5 refs.

**49/7/79 (Item 15 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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02551913 E.I. Monthly No: EIM8803-014303
**Title: USING OUTPUT TO EVALUATE AND REFINE RULES IN RULE-BASED EXPERT SYSTEMS.**
Author: St. Clair, D. C.; Bond, W. E.; Flachsbart, B. B.
Corporate Source: McDonnell Douglas Corp, St. Louis, MO, USA
Conference Title: Third Conference on Artificial Intelligence for Space Applications, Part I.
Conference Location: Huntsville, AL, USA Conference Date: 19871102
Sponsor: Univ of Alabama, Huntsville, AL, USA; NASA, Washington, DC, USA
E.I. Conference No.: 10800
Source: NASA Conference Publication 2492. Publ by NASA, Washington, DC,

USA p 9-13
Publication Year: 1987
CODEN: NACPDX ISSN: 0191-7811
Language: English
Document Type: PA; (Conference Paper)
Journal Announcement: 8803
Abstract: As space systems become increasingly complex and ambitious, the need for reliable expert systems to **perform monitoring** and **diagnostic** functions becomes more critical. Rule-based expert systems typically require large **knowledge bases** which must be carefully evaluated before being used in space **vehicle** operations. In the **evaluation** /refinement process, the **knowledge** engineer and **domain** experts evaluate expert system output and refine the rule base. The rule base size, coupled with rule interdependencies, makes this a very difficult task. The research described suggests a method to compare the output set (E) of a rule-based expert system with a known set of correct conclusions (C) for a given set of input data and **make decisions** on how to refine the rule base. Using the techniques presented, system developers can evaluate and refine rules more accurately. (Author abstract) 7 refs.

**49/7/80 (Item 16 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)
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01904551 E.I. Monthly No: EIM8511-067924
**Title:** SPACE SHUTTLE **MAIN ENGINE** PERFORMANCE ANALYSIS **USING** KNOWLEDGE BASED **SYSTEMS**.
Author: Daumann, A.; Modesitt, K.
Corporate Source: Rockwell Int, Rocketdyne Div, Canoga Park, CA, USA
Conference Title: Computers in Engineering 1985, Proceedings of the 1985 ASME International Computers in Engineering Conference and Exhibition.
Conference Location: Boston, MA, USA Conference Date: 19850804
Sponsor: ASME, Computer Engineering Div, New York, NY, USA
E.I. Conference No.: 06937
Source: Computers in Engineering, Proceedings of the International Computers in Engineering Conference and Exhibit 1985 v 3. Publ by ASME, New York, NY, USA p 55-62
Publication Year: 1985
CODEN: COENEF
Language: English
Document Type: PA; (Conference Paper)
Journal Announcement: 8511
Abstract: Each time a Space Shuttle Main Engine (SSME) undergoes a test firing, an average of 50 megabytes of digital test data is generated by the numerous pressure, temperature and speed sensors located throughout the engine. This amount of data is often exceeded by high frequency strain gauge and accelerometer measurements used to monitor engine vibrations and loads. Decisions regarding the achievement of test objectives, acceptability of engine performance and condition of engine hardware are made by teams of engineers and technicians. The evaluations are made primarily by comparing plots and tabulations of current test data values with both predicted and previous values. An investigation is reported associated with the tools and resources required to establish an automated test analysis and **decision support** system for use in evaluating rocket engine test and flight data. (Edited author abstract) 8 refs.

**49/7/87 (Item 1 from file: 94)**
DIALOG(R)File 94:JICST-EPlus

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01158163 JICST ACCESSION NUMBER: 91A0029175 FILE SEGMENT: JICST-E
**A computer aided** vehicle performance evaluation **system**.
ISHIKAWA TERUAKI (1); ASANO TAKAAKI (1); KISHI NORIMASA (1); TOMIKASHI MINORU (1); KONDO HIROSHI (2)
(1) Nissan Motor Co., Ltd., Central Engineering Labs.; (2) Nissan Motor Co., Ltd.
Jidosha Gijutsukai Ronbunshu(Transaction of the Society of Automotive Engineers of Japan), 1990, NO.46, PAGE.35-39,115, FIG.4, TBL.3, REF.3
JOURNAL NUMBER: S0826AAW ISSN NO: 0287-8321
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.02
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: We developed a support system for use in the conceptual stage of initial vehicle planning. This system is aimed mainly at assisting designers in the **making** of **decisions** on vehicle basic specification and large components and in the **evaluation** of **vehicle performance** . The expert system tool used in this system was originally developed by NISSAN. The **knowledge base** employed in this system contains knowledge gathered of design experts on **evaluating vehicle performance** . Using this system, design problems can be made clear at an early stage of vehicle development, which enables a more perfect final product. (author abst.)

**49/7/91 (Item 3 from file: 144)**
DIALOG(R)File 144:Pascal
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14001265 PASCAL No.: 99-0186314
**Expert system technology in aircraft** fleet management : **The development of SAREX**
**XPS-99** : knowledge - based **systems, survey and future directions** : **Wrzburg, 3-5 March 1999**
IMHOF H
PUPPE Frank, ed
Atraxis AG, COVE, 8058 Zurich-Airport, Switzerland
Biannual German conference on knowledge-based systems, 5 (Wuerzburg DEU) 1999-03-03
Journal: Lecture notes in computer science, 1999, 1570 186-192
ISBN: 3-540-65658-8 ISSN: 0302-9743 Availability: INIST-16343; 354000074566360140
No. of Refs.: 4 ref.
Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)
Country of Publication: Germany; United States
Language: English
Aircraft check planning and flight assignment are closely interrelated. We describe an expert system supporting both tasks. Search and Constraint techniques from the realm of Artificial Intelligence are paired with Scheduling methods based on certain mathematical models. The objective of Check Planning is to optimise the Maintenance Check Yield across the whole fleet. The problem is how to accommodate the frequently changing user requirements in an expert system environment. Those requirements can be expressed as constraints regarding e.g. fleet availability, hangar space, work load, or time restrictions. In contrast to classical constraint technology, where these problems are solved by instantiating variables and checking consistencies, we make use of a direct link of constraints into

scheduling algorithms. As a main advantage, the basic scheduling algorithm could be left unaltered while new constraints were permanently added during the development process. For most of the constraints, SAREX offers dedicated interfaces to edit these planning rules in an easily readable format. This paper gives an overview of the applied technology and of the history of its implementation. For more technical details the reader is referred to (3).

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         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Sep W1
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S8    6827307   MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ? OR CHEQU? OR
              AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? OR SURVEY?
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             ELFDIAGNOS? OR SELFCHECK? OR SELFCHEQ?
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           OR REPARAT? OR SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S12     27346   DECISIONMAK?
S13  10878782   DECISION? OR RECOMMEND? OR SUGGEST? OR ACTION?
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S14   2036696   S13(3N)(MAK??? ? OR MADE OR DEVELOP? OR CREAT? OR PROD? ? -
            OR PRODUCE? ? OR PRODUCTION? OR PRODUCING OR GENERAT???? ?)
S15    180416   S13(3N)(FORMULAT? OR DERIV? OR PROPOS? OR ADVIS??? ? OR AD-
            VICE?)
S16     75566   S13(3N)(CREAT???? ? OR DERIV???? ?)
S17    158556   DECISION?(3N)(RECOMMEND? OR SUGGEST? OR SUPPORT? OR TOOL? -
            ?)
S18     26213   FLEET(1N)MANAG?
S19   2114134   VEHICLE? OR VEHICUL?
S20   1480551   AIRCRAFT? OR AIR()CRAFT? ? OR PLANE OR PLANES OR SST OR (S-
            UPERSONIC OR SUPER()SONIC)()TRANSPORT? ? OR AIRPLANE? ? OR AE-
            ROPLANE? ?
S21    121277   SPACECRAFT? OR SPACE()(CRAFT? ? OR SHUTTLE? ? OR SHIP? ?) -
            OR SPACESHUTTLE? OR JETPLANE? OR ROCKETSHIP? OR (ROCKET OR SP-
            ACE)()SHIP? ?
S22    312863   ROCKETPLANE? OR HELICOPTER? OR COPTER? ? OR WARPLANE? OR B-
            ATTLEPLANE? OR COMBATPLANE?
S23   3646521   CAR OR CARS OR AUTO OR AUTOS OR AUTOMOBILE? OR MOTORCAR? ?
            OR MOTOCAR? ? OR AUTOCAR? ? OR TRUCK? ? OR TRAILERTRUCK?
S24      1935   TRACTORTRAILER? OR SEMITRAILER?
S25    473794   TANK? ? OR (ARMOR?? ? OR ARMOUR?? ?)()PERSONNEL()CARRIER? ?
             OR APC OR APCS
S26    174580   S8:S9(3N)S19:S25
S27    628210   S8:S9(3N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR SERVIC???
            ? OR OVERHAUL? OR OVER()HAUL??? ?)
S28       580   S2(S)(S12 OR S14:S17)
S29    943196   S8:S9(3N)(PERFORM? OR HEALTH? OR STATUS? OR CONDITION? ? OR
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S30        16   S28(S)(S29 OR S10:S11)
S31     46471   (S3 OR S5:S7)(S)(S12 OR S14:S17)
S32      2458   S31(S)(S29 OR S10:S11)
S33      1825   S31(S)S18:S25
S34       132   S32(S)S33
S35         2   S31(S)(S10:S11(3N)S18:S25)
S36      3464   S31(S)(S26:S27 OR S29)
S37        95   S31(S)S26
S38       132   S31(S)(S18:S25(3N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR -
            SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?))
S39        24   S31(S)S18
S40        18   S32(S)(S18:S25(3N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR -
            SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?))
S41        12   S32(S)(S18:S25(3N)S8:S9)
S42       149   S30 OR S35 OR S37 OR S39:S41
S43        66   S42/2002:2004
S44        83   S42 NOT S43
S45        73   RD (unique items)
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**45/3,K/5 (Item 2 from file: 15)**

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02327686 86926354

**Sources of fuzziness in vehicle maintenance management**

Jezdimir Knezevic; Ljubisa Papic; Branko Vasic

Journal of Quality in Maintenance Engineering v3n4 PP: 281-288 1997
ISSN: 1355-2511 JRNL CODE: QMGR
WORD COUNT: 2109

...TEXT: of maintenance management include those about vehicles and their main assemblies, spare parts, labour force, **maintenance** capacity, schedules of **vehicle** utilization and **preventive** **maintenance** . Data are

extracted from "source documents" (travel orders, reports on **preventive maintenance** , occurrence of faults, diagnostic examination, corrective maintenance and the like), and fed into a computer. Appropriate software packages can be used for storing **data** in **files** and for supplying them to users in the form of various reports (a context diagram shown in Figure 4). The user ( **decision maker** in the maintenance management system) can communicate with the **database** . To **support** the **decision making** , various models and units of knowledge must be included in the software packages.

Various classes...

**45/3,K/9 (Item 6 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01850706 05-01698
**Outsourcing lift truck fleet can save $$$**
MacPhail, Mike
Frozen Food Age v47n12 PP: 41 Jul 1999
ISSN: 0016-2191 JRNL CODE: FFA
WORD COUNT: 374

ABSTRACT: **Data collection** and management play key roles in today's **fleet management** . With information detailing the usage of a particular fleet at their fingertips, managers and professional maintenance crews can **make** more informed **recommendations** .
...TEXT: lift truck, and recognizing when to move a lift truck from one application to another.

**Data collection** and management also play key roles in today's **fleet management** programs. With information detailing the usage of a particular fleet at their fingertips, managers and professional maintenance crews can **make** more informed **recommendations** for replacing a lift truck, or when leasing should be considered for seasonal use. Finally, **fleet management** consolidates the costs for parts and maintenance onto one bill.
In short, customers who sign...

**45/3,K/12 (Item 9 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01341187 99-90583
**Hi-tech fleet management**
Marshall, Lawson
Fleet Equipment v22n11 PP: 27-30 Nov 1996
ISSN: 0747-2544 JRNL CODE: FEQ
WORD COUNT: 1831

ABSTRACT: Automated **data collection** , **data** communications, and data integration are going to rapidly change the way fleets are managed and...

... the shop to the truck itself, and that information will be communicated directly to the **manager** of **fleet** equipment, allowing the **decision - making** process to be moved up by days. As **data collection** becomes faster and better, diagnostics will be replaced by prognostics - predicting problems before they occur. ...
...TEXT: the shop to the truck itself, and that information will be

communicated directly to the **manager** of **fleet** equipment, allowing the **decision - making** process to be moved up by days. In fact, as **data collection** becomes faster and better, diagnostics will be replaced by prognostics-predicting problems before they occur...

**45/3,K/19 (Item** 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00764277 94-13669
**Piece of profit pie key to Perot deal**
Halper, Mark
Computerworld v27n38 PP: 93, 101 Sep 20, 1993
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 770

...TEXT: program known as Greenway.

Greenway's software elements include reservations, sales and marketing, Oracle financials, **fleet management** , field management, **decision support** , reporting, control and cost-optimization programs, all drawing from massive **databases** housed and backed up on the NCR boxes.

Perot is also developing books to other...
? t45/3,k/24-26,30,32,34,38,43

**45/3,K/24 (Item 21 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00534242 91-08586
**Diverse Access to the Public Network for High-Speed Data Circuits**
Stanislevic, Howard
Telecommunications (International Edition) v25n1 PP: 65-68 Jan 1991
JRNL CODE: TIE
WORD COUNT: 2270

...TEXT: catering in-flight meals is dependent on data communications networks. Performance reports derived from various **data bases** are made available to senior management in the UK and US for **decision support** and financial **analysis** . **Aircraft** weight and balance, spare parts inventories, and other engineering data are all transmitted via the...

**45/3,K/25 (Item 22 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00412604 88-29437
**MAC Command and Control Center to Serve as Defense Dept. Model**
Hughes, David
Aviation Week & Space Technology v129n3 PP: 55, 57 Jul 18, 1988
ISSN: 0005-2175 JRNL CODE: AWS

...ABSTRACT: in operation in only 2 years at half the cost of initial estimates. The Global **Decision Support** System (GDSS) is a computer network that allows MAC to **track** its **aircraft** and air crews worldwide in near real time for vastly improved command and control. During...

... tie together into one wide-area network. Each GDSS site operator can update simultaneously the **databases** in all the other sites. The Jet Propulsion Lab uses a team of 40-60...

**45/3,K/26 (Item 23 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00255730 84-34291
**Making Computers Think Like People**
Zadeh, Lotfi A.
IEEE Spectrum v21n8 PP: 26-32 Aug 1984
ISSN: 0018-9235 JRNL CODE: SPC

...ABSTRACT: generally programmed has often hampered attempts to automate various types of human activity, from assembling **automobiles** to **diagnosing** a patient. When **making decisions** , computers usually ask questions that have clear-cut yes or no answers, while humans do...

... understanding of how the grade is determined. A great deal of the information in the **knowledge base** of a typical expert system is incomplete, imprecise, or not totally reliable. Much of this...

**45/3,K/30 (Item 1 from file: 141)**
DIALOG(R)File 141:Readers Guide
(c) 2004 The HW Wilson Co. All rts. reserv.

01286409 H.W. WILSON RECORD NUMBER: BRGA88036409
**MAC command and control center to serve as Defense Dept. model.**
Hughes, David.
Aviation Week & Space Technology v. 129 (July 18 1988) p. 55+

...ABSTRACT: Air Force and airlift divisions and to Air National Guard headquarters and that allows worldwide **tracking** of **aircraft** and air crews. The Global **Decision** and **Support** System (GDSS) includes computer installations at seven sites from Hawaii to Germany, with three more...

...a single wide-area network. Each GDSS site operator will be able to update the **data bases** at all of the other sites simultaneously. The system was developed, installed, and placed in...

**45/3,K/32 (Item 2 from file: 484)**
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

05202720 SUPPLIER NUMBER: 83224196 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Chief's logistics review**
Zettler, Michael E
Air Force Journal of Logistics (FAFJ), v25 n2, p2-13, p.12
Summer 2001
ISSN: 0270-403X JOURNAL CODE: FAFJ
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5386

TEXT:
... focus by wing commanders, operations group commanders, and

logistics group commanders on metrics for both **fleet** health **management** and current sortie production requirements should improve both near- and long-term capabilities. To ensure...

...metrics and their contribution to the quality of maintenance. Such metrics could contribute to fleet **health assessments** , quality assurance, maintenance analysis, and **data collection** and integrity enforcement. MAJCOMs also recommended enforcing policy on the use of metrics. This may...
...local strategies are in place to bring together data flowing from the two groups with **aircraft maintenance** responsibilities, and such data should meet MAJCOM reporting requirements. All commands emphasized the need to continue improving and simplifying data recording, maintenance **data system** accuracy, and availability of **decision support tools** as a means to improve performance.
MAJCOMs generally agreed on the need to improve maintenance...

**45/3,K/34 (Item 1 from file: 553)**
DIALOG(R)File 553:Wilson Bus. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

03852632 H.W. WILSON RECORD NUMBER: BWBA98102632 (USE FORMAT 7 FOR FULLTEXT)
**Internet helps fleet managers trim costs.**
Purchasing (Purchasing) v. 125 no8 (Nov. 19 1998) p. 72
LANGUAGE: English
WORD COUNT: 405

...ABSTRACT: This gives easy access to data for purchasing and other departments and enables Glaxo to **make decisions** on its fleet whenever it needs to, customize the information for reports, and identify savings opportunities using the data, says Shirley Collins, **fleet manager** .

**45/3,K/38 (Item 4 from file: 608)**
DIALOG(R)File 608:KR/T Bus.News.
(c)2004 Knight Ridder/Tribune Bus News. All rts. reserv.

06600789 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Saint Paul Pioneer Press, Minn., Tech Briefs Column**
Saint Paul (Minn.) Pioneer Press
October 26, 1998
DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH
WORD COUNT: 754

...TEXT: com/enable
KEEP ON TRUCKIN': XATA Corp. of Minneapolis has introduced OpCenter, a suite of **fleet management** applications that allows transportation companies to measure, monitor and manage their entire fleet from one...

...a fleet's network of XATA onboard computers. Then it stores the information in a **database** for further analysis and reporting.
"As the transportation business grows more complex, fleet operations often ...

...customers the right information in the right place at the right time. This helps them **make** the **decisions** that lead to improved fleet productivity and profitability."
Xata produces onboard computer systems, software and...

**45/3,K/43 (Item 2 from file: 613)**
DIALOG(R)File 613:PR Newswire
(c) 2004 PR Newswire Association Inc. All rts. reserv.

00107845 19990512HSW040 (USE FORMAT 7 FOR FULLTEXT)
**North American Auto Industry Marches to the Beat of a Different Drummer; PricewaterhouseCoopers Releases Findings of First-Ever Global Powertrain Study**
PR Newswire
Wednesday, May 12, 1999 14:00 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 833

...and support organizations. The AUTOFACTS
Global Automotive Knowledgebase is the industry's most comprehensive automotive **decision support tool** , providing instant access to detailed market
sizing **analysis** and **vehicle** manufacturer and supplier competitive profiles.

PricewaterhouseCoopers (www.pwcglobal.com) is the world's leading professional...
? t45/3,k/44-47,60

**45/3,K/44 (Item 1 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00610115 20011026299B2909 (USE FORMAT 7 FOR FULLTEXT)
**APICS International 2001 Exhibitor Profiles**
Business Wire
Friday, October 26, 2001 19:24 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 2,066

...bottom line. eValue is an
Internet-centric, distributed collaborative system designed to help the user **make** timely, accurate **decisions** in cooperation with trading partners.
The engine that powers eValue is a proprietary suite of...

...www.datarecognition.com
Data Recognition helps customers optimize business processes through the integration of automated **data collection** systems. DRI provides manufacturers and their supply chains building blocks for strategic advantage in the...

...OP tool is used to create, reject, or modify
alternative production plan scenarios. Resource capacity **analyses** are **performed** on the spot in order to attain an unprecedented balance between supply and demand.
Company...Warehouse facilities.
JOMAR's E+e application suite integrates our ERP/APS, Supply Distribution Logistics, **Preventive Maintenance** , Warranty **Repair** and Data Warehouse applications. Our `Server Side' software incorporates JAVA, Web Server, Application Server and...

...VIC)
technology speeds and eases integration and time to benefit. ORTEMS Collaborative Manufacturing Planning optimizes **decision - making** to ensure rapid re-synchronization and re-optimization of manufacturing planning and production scheduling changes...

...to dedicated services to CAMI Automotive (1995), Toyota Motor Manufacturing Indiana (1997), Toyota Motor Sales **vehicle service** parts (1998), Toyota Motor Manufacturing Europe (2000) and other manufacturing related companies.
Note

**45/3,K/45 (Item 2 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00497587 20010411101B7257 (USE FORMAT 7 FOR FULLTEXT)
**Wescam and Pi Group Sign Exclusive Teaming Agreement**
Business Wire
Wednesday, April 11, 2001 09:26 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 520

...data acquisition and analysis products for motorsport. Pi has developed highly sophisticated electronic sensing and **monitoring** systems for **car** racing, particularly for Formula One, including engine control computers, and **data collection** and communications telemetry systems used by car racing teams for testing, analysis and **decision - making** .

A member of Wescam's Commercial Systems Division, Broadcast Sports is a leader in providing...

**45/3,K/46 (Item 3 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00438506 20010109009B6895 (USE FORMAT 7 FOR FULLTEXT)
**OneOffshore Announces the Development of RigInsight; An Offshore Rig Market Knowledge Platform, Launching April 2001**
Business Wire
Tuesday, January 9, 2001 11:05 EST
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 440

TEXT:
...and drilling contractors with global, real-time access to offshore drilling rig market knowledge and **tools** to improve **decision - making** , **fleet management** , and collaborative contracting processes.

The **knowledge - based** , collaborative platform will help improve supply and
demand transparency in the primary contracting market place. This will result
in improved **fleet management** and optimization, as well as improved strategic
and tactical rig procurement decisions. The platform will...

**45/3,K/47 (Item 4 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2004 Business Wire. All rts. reserv.

00390124 20001020294B7251 (USE FORMAT 7 FOR FULLTEXT)
**WPI Group Announces Development Partnership with General Dynamics' TechSight-Companies Team Up to Enhance Infrastructure of e-Technician Solution**
Business Wire
Friday, October 20, 2000 09:18 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 815

TEXT:
...allow users to intelligently step through
information to retrieve the correct level for action or **decision support**
. WPI
will bring its diagnostics expertise, as well as its understanding of the
wireless and...

...e-Technician users will realize savings via their ability to
remotely reprogram vehicle components and **perform** pre- **diagnostic**
applications
on **vehicles** in their fleets. We expect to fully complement WPI's
engineering
and diagnostics experience in...

**45/3,K/60 (Item 11 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

02972682
**All the San Diego Information That You Needed to Know: Crime, Java, Wastewater and the Y2K Solution**
BUSINESS WIRE
September 30, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 721

... advanced integrated product of its kind. SWIM allows the Water Department to assist in countless **decision support** tasks by establishing **preventive maintenance** schedules and assisting crews to maintain San Diego's infrastructure. SWIM's pen-based computers...
? t45/3,k/66,69,71,73

**45/3,K/66 (Item 1 from file: 624)**
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

01113564
**Aircraft Evaluation Software Available**
Edited by David Rimmer
Business & Commercial Aviation, Vol. 87, No. 3, Pg 22
September, 2000
JOURNAL CODE: BCA
SECTION HEADING: INTELLIGENCE ISSN: 0191-4642
WORD COUNT: 124

TEXT:

...focusing on more than 90 popular turbine aircraft. CompAir users can use the software and **database** to prepare professional presentations complete with photos, charts and text to help **decision - makers evaluate** and compare **aircraft** options. The program will be updated continuously as additional aircraft and data become available. Users...

**45/3,K/69 (Item 4 from file: 624)**
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0490357
**When UNIX is the Big Fix: While there isn't a corporation in the Business Week 1000 that isn't using UNIX systems in some capacity, a few have made it a keystone of their re-engineering. Here's what they report**
Connie Winkler
Unix World, Vol. X, No. 6, Pg 48
June, 1993
JOURNAL CODE: UNIX
SECTION HEADING: Cover Story ISSN: 0739-5922
WORD COUNT: 3,051

TEXT:

... coordinators will enjoy a new view: Screens will provide aircraft situational displays, maps, real-time **plane tracking** , and multiple windows of data. A satellite network and a mammoth relational database will support...

... software packages and various third parties, says Wohleber. "We need to put a very powerful **decision - making** system on the desktops of those who have to make the decisons," he says.

Although...

**45/3,K/71 (Item 6 from file: 624)**
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0153622
**Iberia, Texas Instruments Developing Software Systems**
Aviation Daily, Vol. 297, No. 24, Pg 238
August 7, 1989
JOURNAL CODE: AD
ISSN: 0193-4597
WORD COUNT: 101

TEXT:

Iberia and Texas Instruments are applying what is known as " **knowledge -- based** technology" to the development of two computer software systems. First project addresses the problem of...

...airline operations when bad weather or other unexpected events interrupt service. TI/Iberia team is **developing** a **decision support** system that will reduce the time required to reschedule operations while ensuring that revised schedules...

... carrier's resources. Second project is aimed at developing a system to schedule routine maintenance **checks** for Iberia's **aircraft** fleet. System is intended to provide more efficient scheduling of both aircraft and maintenance facilities...

**45/3,K/73 (Item 1 from file: 674)**
DIALOG(R)File 674:Computer News Fulltext
(c) 2004 IDG Communications. All rts. reserv.

049000
**Ridin' high**
**New net infrastructure has Ryder in the driver's seat, ready to meet any business need.**
Byline: Paul Desmond
Journal: Network World Page Number: 63
Publication Date: January 01, 1996
Word Count: 2477 Line Count: 225

Text:
... sell the customer on a new one. From his laptop, he taps into a mainframe **database** in Miami and downloads historical data on the truck. It's getting up there in...

... 100,000 miles. He checks the maintenance record and sees it's pretty clean. But **checking** another **database** with **performance** data on the same model truck shows it's overdue for some major repairs. With...

... a good deal. The customer won't suffer any downtime, and Ryder now can perform **preventive maintenance** on the old **truck** before selling it off at a decent price. This is what RyderLINC hath wrought. RyderLINC...
... s power: The program gives Ryder employees simplified access to corporate data, enabling them to **make** better **decisions** faster. It should increase profits enough to pay the entire RyderLINC tab within two years...

... revenue, according to a company spokesman. Its biggest chunk of revenue (35%) comes from full- **service truck** leasing, which often includes financing, ongoing **vehicle maintenance** , and the screening and hiring of drivers, to name a few services. The company also...

...it's all over the place. Some is stored in IBM mainframe IMS and DB2 **databases** at headquarters. Other pieces are in Application System/400s located at the 79 regional or...

... infrastructure,'' says Jim Hamilton, RyderLINC product manager. SAM takes advantage of core RyderLINC services, including **database** middleware, mainframe gateways and distributed Novell, Inc. NetWare servers, to make it easy for Ryder...

... runs a query on a given vehicle, a software agent on the client determines which **database** needs to be accessed. The agent uses Ryder-developed algorithms that, based on the function requested, can determine which **databases** the client needs to access. Information Builders, Inc. EDA*SQL middleware, running on both the...

...and the mainframe, enables the agent to extract data from host-based DB2 and IMS **databases** (see graphic, page 66). This easy access to enterprise data helps Ryder personnel better **track vehicle performance** , trends, statistics and running costs, as well as identify differences between various types of customers...
?

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File   9:Business & Industry(R) Jul/1994-2004/Oct 25
         (c) 2004  The Gale Group
File  13:BAMP 2004/Oct W3
         (c) 2004  The Gale Group
File  16:Gale Group PROMT(R) 1990-2004/Oct 27
         (c) 2004 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Oct 26
         (c) 2004 The Gale group
File  88:Gale Group Business A.R.T.S. 1976-2004/Oct 22
         (c) 2004 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Oct 15
         (c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Oct 27
         (c) 2004 The Gale Group
File 570:Gale Group MARS(R) 1984-2004/Oct 26
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 26
         (c) 2004 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2004/Oct 19
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Oct 27
         (c) 2004 The Gale Group
File  18:Gale Group F&S Index(R) 1988-2004/Oct 26
         (c) 2004 The Gale Group
File  80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 26
         (c) 2004 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2004/Oct 26
         (c) 2004 The Dialog Corp.
File 587:Jane`s Defense&Aerospace 2004/Aug W5
         (c) 2004 Jane`s Information Group

Set     Items   Description
S1    1114064   ADAPT? OR ADAPTI? OR ADAPTS
S2      12090   S1(2N)(LEARN??? ? OR TRAIN? OR KNOWLEDGE?)
S3      94540   KNOWLEDGEBASE? OR KNOWLEDGE()BASE? ?
S4    4776496   DOMAIN? ? OR REPOSITOR? OR FILE OR FILES OR ARCHIV? OR DEP-
            OSITORY? OR DEPOSITORI? OR COLLECTION? ? OR LIBRAR?
S5     731234   S4(2N)(KNOWLEDGE? OR DATA OR INFORMATION?)
S6    2153335   DATABASE? OR DATASET? OR DATABANK? OR DB OR DATAFILE? OR D-
            ATALIBRAR? OR DATACOLLECTION? OR DATASYSTEM?
S7     455242   DATA()(BASE? ? OR SET? ? OR BANK? ? OR SYSTEM? ?)
S8   31795134   PERFORM? OR HEALTH? OR STATUS? OR CONDITION? ? OR MODE OR -
            MODES OR STATE OR STATES
S9     471285   S8(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ? OR C-
            HEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? OR S-
            URVEY?)
S10    669904   S8(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR ASSESS?
             OR EVALUAT? OR APPRAIS? OR TRACK?)
S11    110256   TROUBLESHOOT? OR TROUBLE()SHOOT? OR BIST OR SELFTEST? OR S-
            ELFDIAGNOS? OR SELFCHECK? OR SELFCHEQ?
S12     39503   (PREVENTATIVE? OR PREVENTIVE?)(2N)(MAINTENANCE? OR REPAIR?
            OR REPARAT? OR SERVIC??? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S13     19446   DECISIONMAK?
S14   8064714   DECISION? OR RECOMMEND? OR SUGGEST? OR ACTION?
S15   1642036   S14(3N)(MAK??? ? OR MADE OR DEVELOP? OR CREAT? OR PROD? ? -
            OR PRODUCE? ? OR PRODUCTION? OR PRODUCING OR GENERAT???? ?)
S16    148727   S14(3N)(FORMULAT? OR DERIV? OR PROPOS? OR ADVIS??? ? OR AD-
            VICE?)
S17     76220   S14(3N)(CREAT???? ? OR DERIV???? ?)
```

```
S18     171923   DECISION?(3N)(RECOMMEND? OR SUGGEST? OR SUPPORT?)
S19      36118   FLEET(1N)MANAG????? ?
S20    2277673   VEHICLE? OR VEHICUL?
S21    1849264   AIRCRAFT? OR AIR()CRAFT? ? OR PLANE OR PLANES OR SST OR (S-
                 UPERSONIC OR SUPER()SONIC)()TRANSPORT? ? OR AIRPLANE? ? OR AE-
                 ROPLANE? ?
S22     150994   SPACECRAFT? OR SPACE()(CRAFT? ? OR SHUTTLE? ? OR SHIP? ?) -
                 OR SPACESHUTTLE? OR JETPLANE? OR ROCKETSHIP? OR (ROCKET OR SP-
                 ACE)()SHIP? ?
S23     276994   ROCKETPLANE? OR HELICOPTER? OR COPTER? ? OR WARPLANE? OR B-
                 ATTLEPLANE? OR COMBATPLANE?
S24    3340380   CAR OR CARS OR AUTO OR AUTOS OR AUTOMOBILE? OR MOTORCAR? ?
                 OR MOTOCAR? ? OR AUTOCAR? ? OR TRUCK? ? OR TRAILERTRUCK?
S25       1523   TRACTORTRAILER? OR SEMITRAILER?
S26     469070   TANK? ? OR (ARMOR?? ? OR ARMOUR?? ?)()PERSONNEL()CARRIER? ?
                  OR APC OR APCS
S27      32159   DECISION?(3N)TOOL? ?
S28      76930   S20:S26(3N)(MONITOR? OR DIAGNOS? OR PROGNOS? OR CHECK??? ?
                 OR CHEQU? OR AUDIT OR AUDITS OR AUDITED OR AUDITING OR GAUG? -
                 OR SURVEY?)
S29     150214   S20:S26(3N)(SURVEIL? OR ANALYS? OR ANALYT? OR ANALYZ? OR A-
                 SSESS? OR EVALUAT? OR APPRAIS? OR TRACK?)
S30     351708   S20:S26(2N)(MAINTENANCE? OR REPAIR? OR REPARAT? OR SERVIC?-
                 ?? ? OR OVERHAUL? OR OVER()HAUL??? ?)
S31        479   S2(S)(S13 OR S15:S18 OR S27)
S32          9   S31(S)S9:S12
S33         17   S31(S)S19:S26
S34          2   S31(S)S28:S30
S35      70800   (S3 OR S5:S7)(S)(S13 OR S15:S18 OR S27)
S36       3084   S35(S)S9:S12
S37       2202   S35(S)S19:S26
S38        161   S36(S)S37
S39        256   S35(S)S28:S30
S40         34   S36(S)S28:S30
S41         31   S35(S)S19
S42         87   S32:S34 OR S40:S41
S43         33   S42/2002:2004
S44         54   S42 NOT S43
S45         46   RD (unique items)
```

**45/3,K/5 (Item 3 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)
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02229688 Supplier Number: 42908110 (USE FORMAT 7 FOR FULLTEXT)

**Plan in Place: NAFA's five-year strategic plan focuses on education, information management**

Automotive News, v0, n0, p18i
April 13, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 1155

... a savings for a company."

Yet another goal of the strategic plan is to provide **fleet managers** with a useful **data base** of fleet information and standards to **support** their management **decisions** . This includes a manual for **fleet managers** containing educational materials on how to operate a fleet.

Another program is "benchmarking," which is...

**45/3,K/7 (Item 1 from file: 88)**
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

05632657 SUPPLIER NUMBER: 68999260
**The Fifth International Conference on Artificial Intelligence Planning and Scheduling.**
Barrett, Anthony; Chien, Steve
AI Magazine, 21, 4, 111
Winter, 2000
ISSN: 0738-4602 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3250 LINE COUNT: 00284

... various areas of expertise and opportunities for future research. Dyer described opportunities for spreadsheet-like **decision - support** aids using planning and scheduling technology. Crawford described numerous opportunities in supply-chain management and...

...such as knowledge acquisition, validation, and knowledge base maintenance as well as ongoing opportunities in **adaptive , learning** planning systems and multiagent planning for rover swarms and **spacecraft** constellations. As this summary indicates, although there have been numerous successes with planning and scheduling...

**45/3,K/16 (Item 2 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

12615717 SUPPLIER NUMBER: 65301802 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Fun in the sun.(MINExpo list of exhibitors and their latest products)(Industry Overview)**
Woof, Mike
World Mining Equipment, 24, 7, 18
Sept, 2000
DOCUMENT TYPE: Industry Overview ISSN: 0746-729X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3945 LINE COUNT: 00311

... database that stores data such as survey, exploration, assay, geology, design/planning, drill and blast, **fleet management** and maintenance, resource inventory, production reconciliation, environment, and management information. Gemcom's current systems can work with this SQL **database** , including support for security, workspace locking, e-mail notification, and transaction auditing. GEMS is also integrated with complementary systems used at Venetia, such as De Beers' own MINRAS mineral inventory **database** , and JKSIMBlast from JKTech. Development work for phase 2 of GEMS will include improvements to the system's **database** , integration with enterprise management tools and upgrades to the mine planning and design tools.
LIM...

**45/3,K/17 (Item 3 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

11225333 SUPPLIER NUMBER: 55307239 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Outsourcing lift truck fleet can save $$$.**
MacPhail, Mike

Frozen Food Age, 47, 12, 41(1)
July, 1999
ISSN: 0016-2191 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 399 LINE COUNT: 00036

... the usage of a particular fleet at their fingertips, managers and professional maintenance crews can **make** more informed **recommendations** for replacing a lift truck, or when leasing should be considered for seasonal use. Finally, **fleet management** consolidates the costs for parts and maintenance onto one bill.
In short, customers who sign...

**45/3,K/19 (Item 5 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08045967 SUPPLIER NUMBER: 17123609 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**AUTONET DATABASE NOW SHIPPING WITH NOTES:NEWSSTAND**
PR Newswire, p807SF004
August 7, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 415 LINE COUNT: 00044

... beyond e-mail. Fleet management staff members find the up-to-date information valuable in **making** purchasing **decisions** .
AIC compiles pricing, specifications, equipment, and other data on all cars, vans and light trucks...

**45/3,K/23 (Item 1 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

04097795 Supplier Number: 53915936 (USE FORMAT 7 FOR FULLTEXT)
**MICROSOFT: Cohen and Gates discuss need to secure nation's critical information infrastructure.**
M2 Presswire, pNA
Feb 19, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1036

... sailor at sea to the intelligence analysts at headquarters and ultimately the officers who must **make decisions** to minimize risk to life while ensuring a mission accomplished. It has supported every major...

...Atlantic and Pacific fleets. Microsoft's business challenge was to fully automate and integrate the **management** of **fleet** readiness data. With a Windows NT-based data warehousing solution using Microsoft SQL Server, Microsoft...

...to prepare. The Navy uses 30 percent fewer staff to more accurately and cost-effectively **manage fleet** readiness data. * The U.S. Army engaged Microsoft to help improve its strength management, balancing...
...of U.S. Army enlisted personnel in Europe. Microsoft's solution was a highly integrated **database** solution accessing several legacy personnel systems on the back end with a client/server and...
? t45/3,k/35

**45/3,K/35 (Item 8 from file: 264)**
DIALOG(R)File 264:DIALOG Defense Newsletters
(c) 2004 The Dialog Corp. All rts. reserv.

00004980
**PILOT'S ASSOCIATE KILLS BACK-SEATER**
WORLD AEROSPACE WEEKLY
March 26,1993 DOCUMENT TYPE: NEWSLETTER
PUBLISHER: FORECAST INTERNATIONAL DMS
LANGUAGE: ENGLISH WORD COUNT: 1946 RECORD TYPE: FULLTEXT

(c) FORECAST INTERNATIONAL All Rights Reserved

TEXT:
...joint US Air
Force/DARPA Pilot's Associate program, aimed at assisting the pilot in **making** tactical **decisions** .

The PA program saw its genesis in 1986 when competitive development contracts were issued to...

...The PA program focuses on six functional areas.
These are executive/manager, mission planning, pilot- **vehicle** interface, situation **assessment** , systems **status** , and tactics. The executive/manager
function ensures the smooth operation of the PA system by...

...the pilot is informed as to the threats
endangering his mission. Friendly forces are also **monitored** .

The system status function **monitors** internal **aircraft** systems such as avionics and engines and diagnoses faults and malfunctions, as well as determines...system was prototyped to develop a system
framework and to design the interaction between the **assessment** functions ( **aircraft** systems **monitoring** and air-battle situation analysis) and the planning functions (reactive tactical planning and mission and...

...Applications
Study. The PA may have industrial applications. For example, it could be used in **knowledge - based aircraft maintenance** systems or the Atlanta
Regional Advanced Traffic management System.

Lockheed is applying the PA concept...
? t45/3,k/36,38,41-42,46

**45/3,K/36 (Item 1 from file: 587)**
DIALOG(R)File 587:Jane`s Defense&Aerospace
(c) 2004 Jane`s Information Group. All rts. reserv.

10900475 Word Count:2039
**Lockheed Martin tops Boeing to build Joint Strike\Fighter**
JANE'S DEFENCE WEEKLY (JDW) NOVEMBER 07, 2001 v.036 no. 019
Section Heading: HEADLINES
By: Michael Sirak JDW US Staff Reporter

...the DoD's foreign
military sales programme.

Secretary of the Air Force James Roche, who **made** the final **decision** ,

said both teams presented strong proposals, but the Lockheed Martin consortium "emerged as the clear...

...s Defence Weekly. "We think that is important because the whole flight experience - the whole **data base** we generated - has to have some applications to the next phase or it doesn't...you can actually g o fight with," he said. Block
II, he noted, will incorporate the **aircraft** 's **prognostics** and **health** management software that will aid in identifying maintenance and repair needs. "The third stage brings...

**45/3,K/38 (Item 3 from file: 587)**
DIALOG(R)File 587:Jane`s Defense&Aerospace
(c) 2004 Jane`s Information Group. All rts. reserv.

10897703 Word Count:4265
**Logistics war**
INTERNATIONAL DEFENSE REVIEW (IDR) OCTOBER 01, 2001 v.034 no. 010
Section Heading: FEATURE
By: Mark Hewish

...Knight, together with hydraulically operated
ramps that allow it to load and unload heavy military **tracked vehicles** . The vessel can carry 17 LAV IIIs or 14 M2A3s.

Goals for the demonstration include...expanding air-transport tasks into di fferent legs
of the mission, co-ordinate costs and itineraries, **monitor** weather and flight **status** , and provide access to other systems.

Communities and societies

This air scheduler in turn forms...digital assistants and other devices; a representation of more than 50 external systems such as **databases** ; and military/government/non-government organizations. The Joint Theater Logistics ACTD, being conducted by Lockheed...

...Army Intelligence
Center, will also incorporate ALP technologies. The intention is to enhance the joint **decision - support tools** and technical architecture developed under the earlier Joint Logistics ACTD in order to provide a...

...over a
tactical internet or radio link to obtain the necessary results from the logistics **database** . The results are then verbally and/or visually reported back to the user.

Galaxy components...

**45/3,K/41 (Item 6 from file: 587)**
DIALOG(R)File 587:Jane`s Defense&Aerospace
(c) 2004 Jane`s Information Group. All rts. reserv.

10886585 Word Count:1245
**UK aims to cut Challenger 2 costs with oil analysis system**
INTERNATIONAL DEFENSE REVIEW (IDR) AUGUST 01, 2000 v.033 no. 008
Section Heading: WEAPONS AND EQUIPMENT

...British Army is to modify the powerpacks of its Challenger 2 tank fleet for oil **health monitoring** (OHM) in near realtime, following air force and naval practise.

The levels of metallic and...

...reporting process through the introduction of computerized and internetted OHM systems is conducive to guiding **preventative maintenance** actions by **vehicle** crews in the field, raising vehicle availability, and leading to a cut in costs.

The...

...assembly for monitoring. The first OHM trial began in 1996, preceded by two years of **data collection** and analysis of strip reports to build up a materials atlas.

Twelve gearboxes, installed in...

...contract by the DLO to provide sampling systems for TN54 gearboxes installed in Challenger 2 **tanks** and Challenger **Repair** and Recovery **Vehicles** (CRARRVs), together with OHM services for an initial period of five years, using a variant of the company's latest Phocus expert **decision support** software. Since the beginning of 1999, the Machine Care-Plus service incoporating Phocus has been...

**45/3,K/42 (Item 7 from file: 587)**
DIALOG(R)File 587:Jane`s Defense&Aerospace
(c) 2004 Jane`s Information Group. All rts. reserv.

10880672 Word Count:4851
**Huon class enters the hunt**
JANE'S NAVY INTERNATIONAL (JNI) FEBRUARY 01, 2000 v.105 no. 001
Section Heading: FEATURES

...class submarines being introduced to the Royal Australian Navy (RAN). In response to this, and **recommendations made** by the Australian National Audit Office, the management of the Defence Acquisition Organisation (DAO) is...of the PDS contracts each of the three competing teams would also be required to **assess** the relative **performance** of different combinations of VDS, tactical **data system** and mine disposal vehicle.

The RFT was issued in July 1993 and closed on 15...of the main propulsion unit can be achieved through the transit autopilot and the tactical **data system** interface.

Three retractable 124kW Riva Calzoni electro-hydraulic auxiliary propulsion units are fitted, one forward...

...The propulsors can be controlled manually or in a fully automatic mode via the tactical **data system** (in the computer-assisted mode the propulsor system is controlled by a single joystick on...

...a secondary remote

control position on the bridge. Data for maintenance purposes is recorded and **performance analysis** can be undertaken. Local control of machinery functions is available through operating panels in the...

...controls the
auxiliary propulsion systems via the minehunting autopilot, providing the ship with the precise **auto** -hover and **auto - track** keeping capabilities required for effective MCM operations. The system also interfaces with the fire indication...

...an integrated ship system that links all major platform and operational systems with the tactical **data system** to ensure that MCM operations are executed in a co-ordinated and cohesive manner. Its...

...suite, supplied by GEC-Marconi Systems Pty Ltd, which combines the Nautis-IIM(Aust) tactical **data system** and the Sonar 2093 (Aust) variable depth sonar. Mullauna is based on the Nautis/Sonarsearch at either VLF or LF and route **survey** .

In the deployed **mode** both search frequencies operate simultaneously, the lower frequency covering mid-water to surface depths and...

...of curvature of the transducer matrix
to optimise beam patterns

- implementation of a classification image **database** to enable comparison of the current image with a stored library for contact correlation

- implementation of a route survey **database** , input using optical drives, to enable faster speed of advance and clearance rates by comparison...

...sonar displays.

The capability of Sonar 2093(Aust) is further enhanced by integral Real Time **Performance Monitoring** Equipment, an environmental **analysis** and **performance** prediction aid that provides real-time prediction of achievable performance and sonar parameter optimisation according...

...British Aerospace
Australia PRISM III system). Data from these systems is correlated by the tactical **data system** to produce a composite tactical picture for the above water environment.

For self-defence, each...

...30B 30mm stabilised gun mounting
on the foredeck. Target indications are received from the tactical **data system** (using externally received track data, own ship radar or electro-optical track information). Two .50cal...

...360:
coverage. Against incoming missile threats, individual sensor tracking data is used by the tactical **data system** to produce a tactical firing solution for SuperBarricade, and a course and speed recommendation to...

**45/3,K/46 (Item 11 from file: 587)**
DIALOG(R)File 587:Jane`s Defense&Aerospace
(c) 2004 Jane`s Information Group. All rts. reserv.

10858925 Word Count:2908
**FEATURE - Class acts in the making**
INTERNATIONAL DEFENSE REVIEW (IDR) AUGUST 01, 1997 v.02 no. 08
By: Mark Hewish

...already transitioned outside the labs for further development. Successes include Mystech Associates' Phoenix Battlefield Commanders **Decision Support** System, the functions of which have been incorporated into the Maneuver Control System, and the Soldier Command and Control system developed by Litton **Data Systems** . The latter, which forward air control parties have used successfully in Bosnia, integrates a Lightweight...processes. A network of such workstations would exchange common graphical overlays rather than messages, with **database** information being generated from icons and vice versa. The focus is thus to generate graphics, which in turn generate **database** records. An integrated operations and intelligence team should be able to learn how to operate...

...effects related to each ABCS component. and flat-panel displays for use in wheeled or **tracked vehicles** , and in airborne or ground-based command posts. Present designs are larger and heavier than...

...high error rates. A high-capacity trunking radio will extend ATM and multimedia services (including **database** access, collaborative planning, and telemedicine) to tactical users. Implementation of the WIN will also involve...panel displays that consume minimal power. Other equipment, including the Warrior Medic and Warfighter Physiological **Status Monitor** , require see-through high-resolution head-up displays that the operator can wear. The Army...

File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200467
(c) 2004 Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2004/Oct W03
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041021,UT=20041014
(c) 2004 WIPO/Univentio

| Set | Items | Description |
|---|---|---|
| S1 | 3 | AU=TASOOJI A? |
| S2 | 28 | AU=HAIGH K? |
| S3 | 12 | AU=REISING D? |
| S4 | 925511 | ADAPT????? ? |
| S5 | 11728 | S4(3N)(KNOW? OR LEARN? OR TRAIN?) |
| S6 | 37 | S1:S3 |
| S7 | 6 | S6 AND S5 |

**7/9/1 (Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015267714 **Image available**
WPI Acc No: 2003-328643/200331
XRPX Acc No: N03-262824
Adaptive knowledge **management system for online vehicle management service, develops recommendations for supporting decision making using knowledge database and monitoring vehicle status**
Patent Assignee: HONEYWELL INT INC (HONE )
Inventor: **HAIGH K Z ; REISING D V C ; TASOOJI A**
Number of Countries: 028 Number of Patents: 003
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| US 20020184178 | A1 | 20021205 | US 2001874074 | A | 20010604 | 200331 | B |
| WO 2002101555 | A2 | 20021219 | WO 2002US17220 | A | 20020603 | 200331 | |
| EP 1421493 | A2 | 20040526 | EP 2002731995 | A | 20020603 | 200435 | |
| | | | WO 2002US17220 | A | 20020603 | | |

Priority Applications (No Type Date): US 2001874074 A 20010604
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| US 20020184178 | A1 | | 7 | G06F-017/00 | |
| WO 2002101555 | A2 | E | | G06F-011/34 | |

Designated States (National): CA
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

| | | | | | |
|---|---|---|---|---|---|
| EP 1421493 | A2 | E | | G06F-011/25 | Based on patent WO 2002101555 |

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): US 20020184178 A1
NOVELTY - A knowledge database (130) is produced based on the results obtained by analytical and machine learning tools (120). The recommendations for supporting decision making of user are developed based on the database and monitored vehicle status. The database is accessed based on the responses output by planing module (140) to extract desired knowledge information dealing with current problems.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for decision making support method.
USE - For supporting decision making of various trouble shooting applications in managing services of aircraft and other transport

vehicles. Also for managing repair and maintenance of commercial and military vehicles like tanks, health management using Internet based knowledge assistance.

ADVANTAGE - Ensures exact evaluation and exploration of creative methods in a real time basis by providing online automated recommendation according to the problems.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of **adapting knowledge** management system.

Learning tools (120)
Database (130)
Planing modules (140)
pp; 7 DwgNo 1/2

Title Terms: ADAPT; MANAGEMENT; SYSTEM; VEHICLE; MANAGEMENT; SERVICE; DEVELOP; SUPPORT; DECIDE; DATABASE; MONITOR; VEHICLE; STATUS
Derwent Class: T01; W06; W07
International Patent Class (Main): G06F-011/25; G06F-011/34; G06F-017/00
International Patent Class (Additional): G05B-023/02
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B4P; T01-J16C; T01-N02A2; W06-B08; W07-X01

**7/5/2 (Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01540966
ADAPTIVE KNOWLEDGE **MANAGEMENT SYSTEM FOR VEHICLE TREND MONITORING, HEALTH MANAGEMENT AND PREVENTIVE MAINTENANCE**
**ADAPTIVE WISSENSVERWALTUNGSVORRICHTUNG FUR TENDENZVERLAUF, GESUNDHEITSVERWALTUNG UND PREVENTIVE WARTUNG EINES FAHRZEUGES**
**SYSTEME DE GESTION DES CONNAISSANCES ADAPTATIF DESTINE A LA SURVEILLANCE DE LA TENDANCE DES VEHICULES, A LA GESTION DE LA SANTE ET A LA MAINTENANCE PREVENTIVE**

PATENT ASSIGNEE:
Honeywell International Inc., (3252263), 101 Columbia Avenue, P.O. Box 2245, Morristown, NJ 07960, (US), (Applicant designated States: all)
INVENTOR:
**TASOOJI, Amaneh** , 8614 S. Dorsey Lane, Tempe, AZ 85284, (US)
**REISING, Dal Vernon C.** , 8495 Timberwood Road,, Woodbury, MN 55125, (US)
**HAIGH, Karen, Z.** , 5860 66th Lane N., Greenfield, MN 55357, (US
LEGAL REPRESENTATIVE:
Haley, Stephen (79721), Gill Jennings & Every, Broadgate House, 7 Eldon Street, London EC2M 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 1421493 A2 040526 (Basic)
WO 2002101555 021219
APPLICATION (CC, No, Date): EP 2002731995 020603; WO 2002US17220 020603
PRIORITY (CC, No, Date): US 874074 010604
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-011/25; G05B-023/02
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 030212 A2 International application. (Art. 158(1))
Application: 030212 A2 International application entering European phase
Application: 040526 A2 Published application without search report
Examination: 040526 A2 Date of request for examination: 20031203
LANGUAGE (Publication,Procedural,Application): English; English; English

7/5/3 **(Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01073034 **Image available**
**SYSTEM AND METHOD FOR AUTOMATICALLY GENERATING CONDITION-BASED ACTIVITY PROMPTS**
**SYSTEME ET PROCEDE DE GENERATION AUTOMATIQUE DE MESSAGES DE GUIDAGE D'ACTIVITES FONDES SUR UN ETAT**

Patent Applicant/Assignee:
HONEYWELL INTERNATIONAL INC, 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960, US, US (Residence), US (Nationality)
Inventor(s):
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DEWING Wende L, 5637 Beard Avenue South, Minneapolis, MN 55410, US,
GEIB Christopher W, 20 Northeast 2nd Street 3404, Minneapolis, MN 55413, US
Legal Representative:
CRISS Roger H (et al) (agent), Honeywell International Inc., 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003102866 A1 20031211 (WO 03102866)
Application: WO 2003US17062 20030529 (PCT/WO US03017062)
Priority Application: US 2002384519 20020529; US 2003444514 20030529
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06N-005/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11095

English Abstract
Embodiments of the present invention provide a system for automatically generating condition based activity prompts. The system comprises a controller and at least one sensor for monitoring an actor. The controller is adapted to receive sensor data from the sensor and determine whether to generate a condition based activity prompt based upon a comparison of the sensor data to predefined data. The condition based activity prompt is related to assisting the actor in performing a particular task, providing a reminder to the actor to perform a particular task, or providing a to-do list item to the actor.

French Abstract
L'invention concerne des modes de realisation d'un systeme permettant de generer automatiquement des messages de guidage d'activites fondes sur un

etat. Ce systeme comprend un controleur et au moins un capteur pour controler un acteur. Ce controleur est adapte pour recevoir des donnees de capteur a partir de ce capteur et determiner s'il convient de generer un message de guidage d'activite fonde sur une comparaison des donnees de capteur par rapport aux donnees predefinies. Ce message d'activite fonde sur un etat a pour but d'assister l'acteur dans la realisation d'une tache particuliere, en lui rappelant d'effectuer cette tache particuliere ou en lui donnant une liste d'elements a faire.

Legal Status (Type, Date, Text)
Publication 20031211 A1 With international search report.
Publication 20031211 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Correction 20041021 Corrections of entry in Section 1: under (30) replace "Not furnished" by "10/444,514"
Republication 20041021 A1 With international search report.

**7/5/4 (Item 2 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT
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01073019 **Image available**

**HOME CONTROL SYSTEM WITH PREDICTION BASED ON SEQUENTIAL PATTERN MATCHING**
**SYSTEME DE COMMANDE A DOMICILE A PREVISION FONDEE SUR UNE RECONNAISSANCE DE FORMES SEQUENTIELLE**

Patent Applicant/Assignee:
HONEYWELL INTERNATIONAL INC, 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960, US, US (Residence), US (Nationality)
Inventor(s):
GURALNIK Valerie, 805 Forest Arms Lane, Orono, MN 55364, US,
HARP Steven A, 9737 Yellowpine Drive NW, Coon Rapids, MN 55433, US,
**HAIGH Karen Z** , 5890 66th Lane North, Greenfield, MN 55357, US
Legal Representative:
Roger Criss H (et al) (agent), Honeywell International Inc., 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 2003102865 A1 20031211 (WO 03102865)
Application: WO 2003US17038 20030530 (PCT/WO US0317038)
Priority Application: US 2002384899 20020530; US 2003339941 20030110
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR, LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06N-005/00
International Patent Class: H04L-012/28
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 9692

English Abstract

A system and method of operating a monitoring and response system for an actor in a daily living environment that relies upon learned models of behavior for **adapting** system operation. The **learned** model of behavior preferably includes sequential patterns organized pursuant to assigned partition values that in turn are generated based upon an evaluation of accumulated data. Based upon reference to the learned model of behavior, the system can generate more appropriate response plans based upon expected or unexpected activities, more readily recognize intended activities, recognize abandoned tasks, formulate probabilities of method choice, build probabilities of action success, anticipate and respond to actor movement within the environment, optimize response plan effectiveness, and share learned models across two or more separate system installations.

French Abstract

L'invention concerne un systeme et un procede de fonctionnement d'un systeme de surveillance et de reponse pour un acteur dans un environnement de vie quotidienne qui repose sur des modeles de comportement appris pour adapter le fonctionnement du systeme. Le modele de comportement appris comprend de preference des modeles sequentiels organises resultant de valeurs de partitions attribuees qui a leur tour sont produites sur la base d'une evaluation de donnees accumulees. Sur la base d'une reference au modele de comportement appris, le systeme peut produire des plans de reponse plus appropries sur la base d'activites prevues ou non, peut reconnaitre plus rapidement des activites prevues, reconnaitre des taches abandonnees, formuler des probabilites sur le choix de methode, et faire des probabilites du succes d'une action, anticiper et repondre au mouvement d'un acteur a l'interieur de l'environnement, optimiser l'efficacite du plan de reponse, et partager des modeles appris a travers au moins deux installations de systeme separees.

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01053692 **Image available**
**SYSTEM AND METHOD FOR AUTOMATED MONITORING, RECOGNIZING, SUPPORTING, AND RESPONDING TO THE BEHAVIOR OF AN ACTOR**
**SYSTEME ET PROCEDE AUTOMATISES DE SURVEILLANCE, DE RECONNAISSANCE, D'ASSISTANCE ET DE REPONSE ASSOCIEES AU COMPORTEMENT D'UN UTILISATEUR**
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English Abstract
An automated system (20) and method for monitoring and supporting an actor (28) in an environment (30), such as a daily living environment. The system (20) includes at least one sensor(24), at least one effector (26), and a controller (22)adapted to provide monitoring, situation assessment, response planning, and plan execution functions. In one preferred embodiment, the controller (22) provides a layered architecture allowing multiple modules to interact and perform the desired monitoring and support functions.

French Abstract
L'invention concerne un systeme (20) et un procede automatises permettant de surveiller et d'assister un utilisateur (28) dans un environnement (30), de type environnement de la vie quotidienne. Ce systeme (20) comprend au moins un capteur (24), au moins un effecteur (26), et un controleur (22) concus pour assurer des fonctions de surveillance, d'evaluation de situation, de planification de reponse, et d'execution de plan. Dans un mode de realisation prefere, ledit controleur (22) prevoit une architecture en couches qui permet a plusieurs modules d'interagir et d'assurer les fonctions de surveillance et d'assistance desirees.

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00967503 **Image available**
ADAPTIVE KNOWLEDGE **MANAGEMENT SYSTEM FOR VEHICLE TREND MONITORING, HEALTH MANAGEMENT AND PREVENTIVE MAINTENANCE**
**SYSTEME DE GESTION DES CONNAISSANCES ADAPTATIF DESTINE A LA SURVEILLANCE DE LA TENDANCE DES VEHICULES, A LA GESTION DE LA SANTE ET A LA MAINTENANCE PREVENTIVE**

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English Abstract
A method and an **Adaptive Knowledge** Management is provided. The **Adaptive Knowledge** Management System is used for assisting a user with decision making by providing real-time, on-line automated recommendations for actions in a monitored vehicle troubleshooting, performance trend monitoring, health management and preemptive maintenance domain diagnostics and prognostics. The system creates a Structured Knowledge Repository, constructed from models, historical data, and heuristics for organizing a model domain knowledge. It uses a plurality of Analytical and Machine Learning tools for capturing knowledge from data sources and populating cells of the Structured Knowledge Repository. A Mixed-Initiative Planning module is used for interpreting operation goals for the monitored vehicle and utilizing the Structure Knowledge Repository for developing recommendations for user decision making. A plurality of Mixed-initiative Decision Support tools use the feedback from the Mixed-Initiative Planning module and query the Structured Knowledge Repository for incorporating the extracted knowledge and information into outputs dealing with current issues and contingencies.

French Abstract
L'invention concerne un procede et un systeme de gestion des connaissances adaptatif. Ce systeme de gestion des connaissances est utilise en vue d'assister un utilisateur dans ses prises de decision en fournissant en temps reel, des recommandations automatisees en ligne pour des actions dans un diagnostic de pannes de vehicule surveille, la surveillance de la tendance des vehicules, la gestion de la sante et les diagnostics et pronostics de domaine de maintenance preventive. Le systeme de l'invention cree un depot de connaissances structure, fabrique a partir de modeles, de donnees historiques, et de connaissances heuristiques afin d'organiser une connaissance de domaine de modele. Il utilise plusieurs outils d'apprentissage machine et analytique afin de capturer des connaissances a partir des sources de donnees et de garnir des cellules du depot de connaissances structure. Un module de planification d'initiatives melangees est utilise en vue d'interpreter des buts d'operation pour le vehicule surveille et d'utiliser le depot de connaissances structure pour developper des recommandations a l'utilisateur prenant de decisions. Plusieurs outils de support de decision d'initiatives melangees utilise la retroaction du module de planification d'initiatives melangees et requiert le depot de connaissances structure en vue d'incorporer les connaissances et les informations extraites dans les sorties traitant de problemes courants et de faux frais.

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